
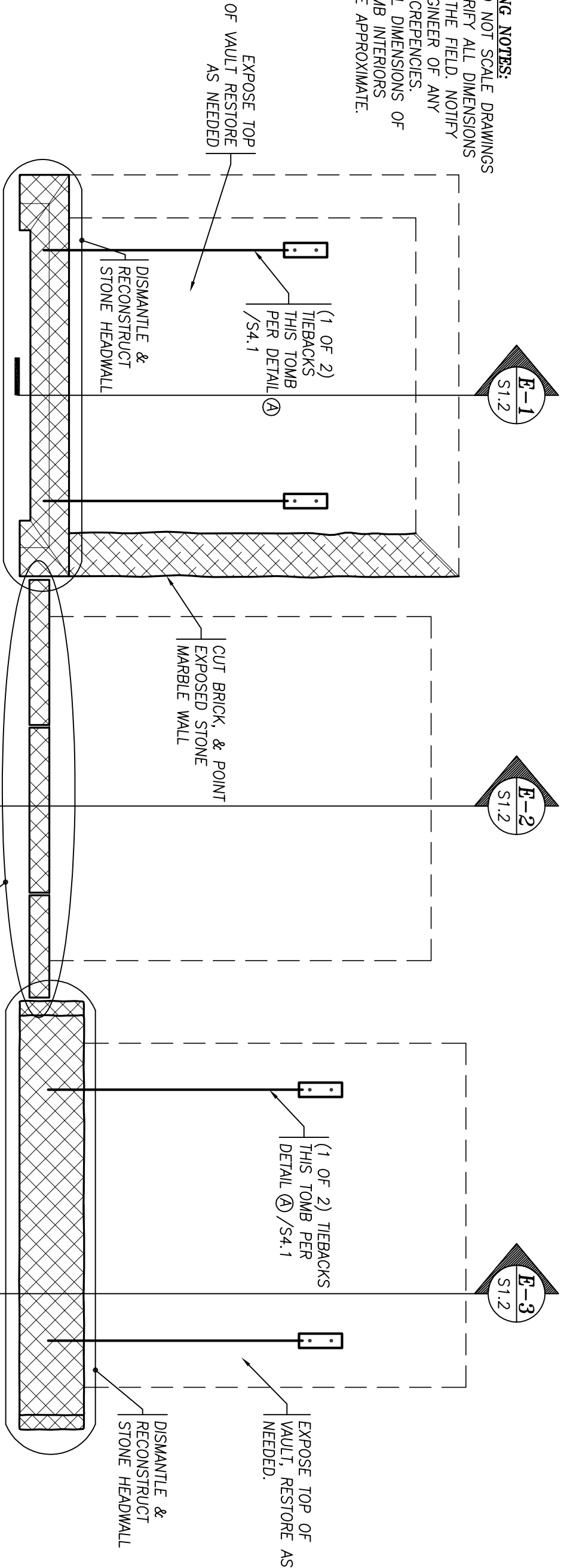


<div style="text-align: center;">  Structures North CONSULTING ENGINEERS, INC. Salem Hartford </div> <div style="text-align: center; font-size: small;"> 80 Washington St., Suite 401 Boston, MA 02109-3047 T 617.245.6817 F 617.245.6067 www.structures-north.com </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> EAST PARISH BURYING GROUND </div> <div style="text-align: center;"> <h1 style="margin: 0;">S1.0</h1> </div> </div>	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> DRWN: PN DATE: 04-19-11 SCALE: NTS CHECKED BY: JMW </div> <div style="width: 80%; text-align: center;"> PROJECT NAME: <h2 style="margin: 0;">HISTORIC NEWTON BURYING GROUNDS</h2> <h2 style="margin: 0;">NEWTON, MASSACHUSETTS</h2> </div> </div>	

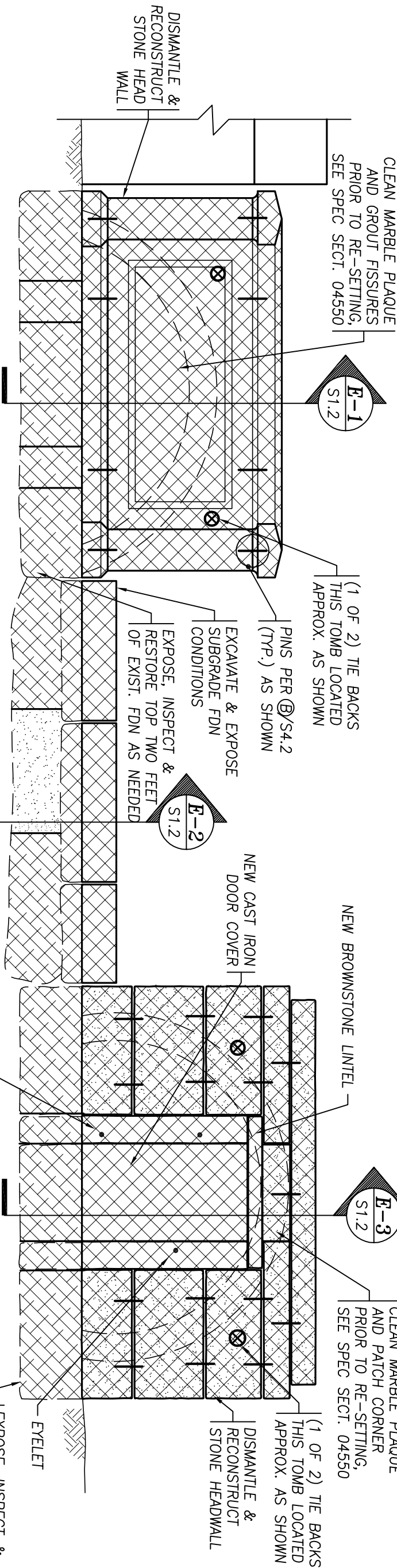
- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.



E-C PLAN
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)

E-B PLAN
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)

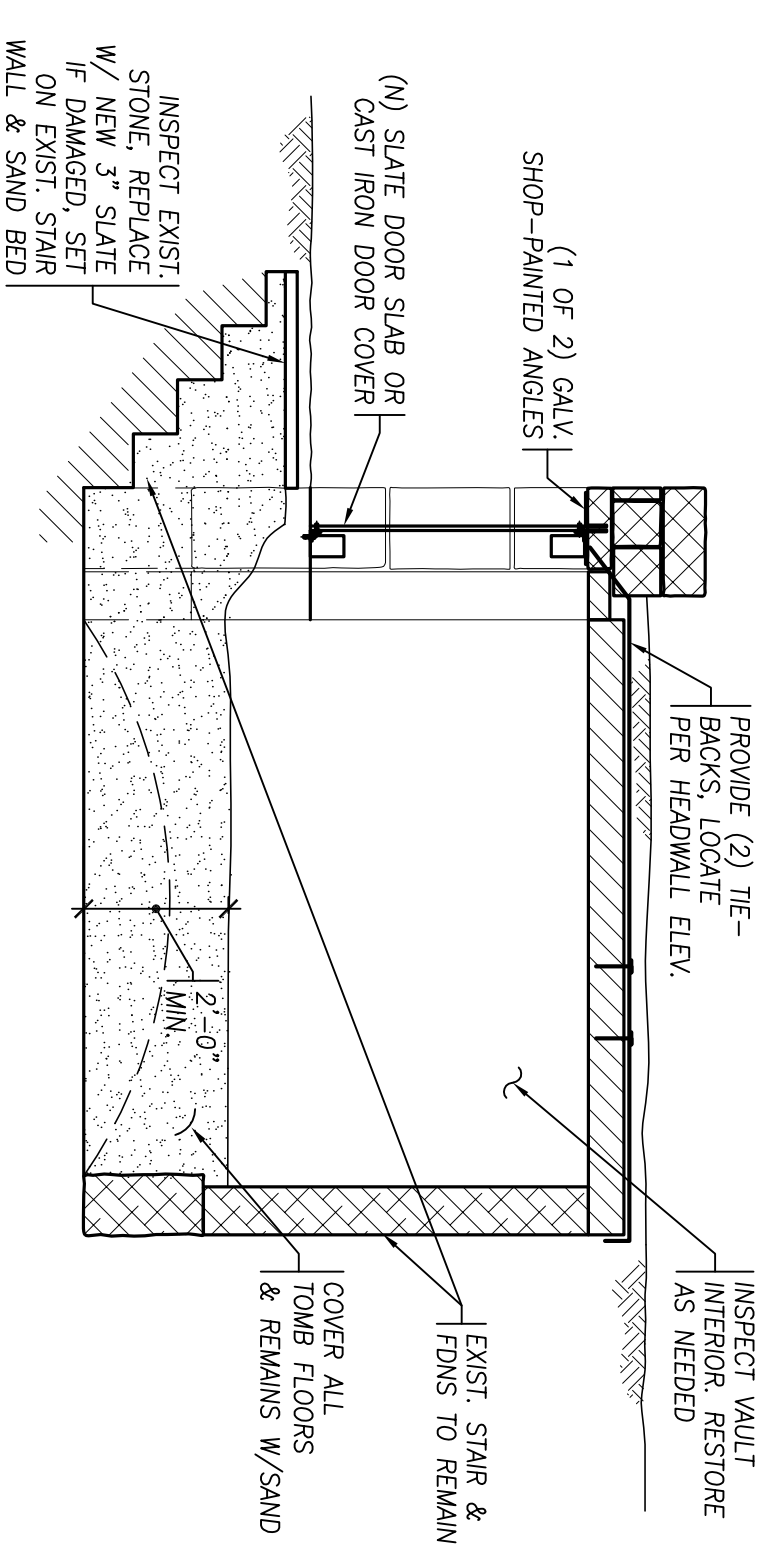
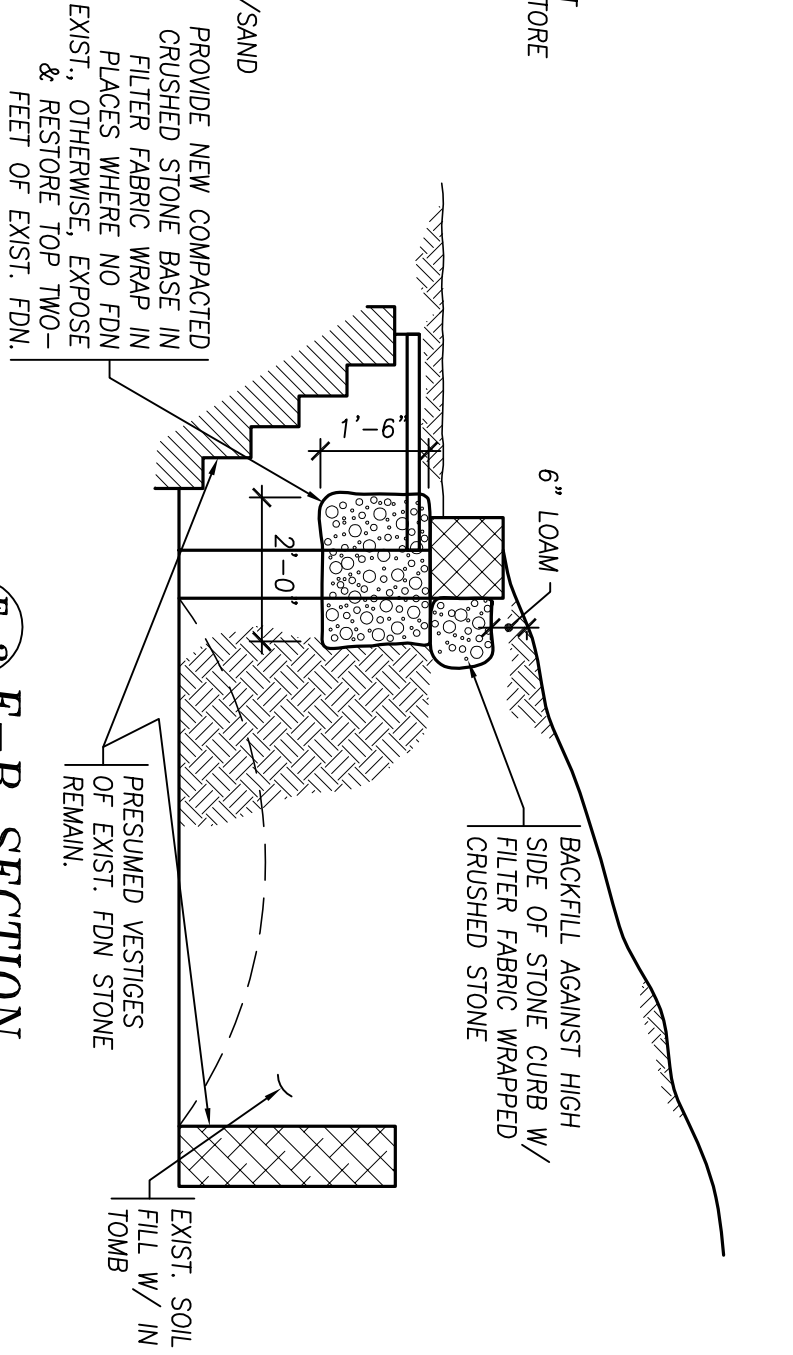
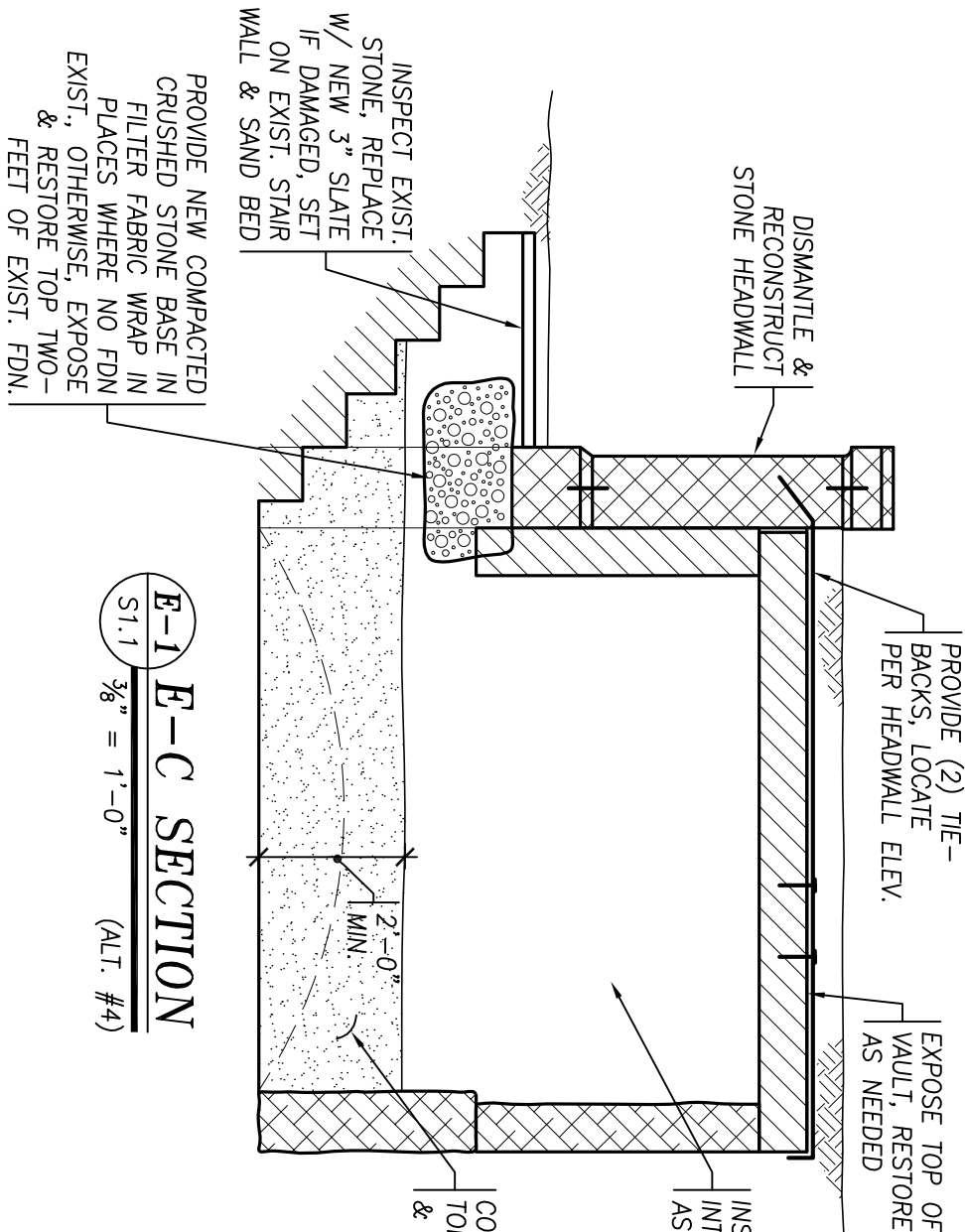
E-A PLAN
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)



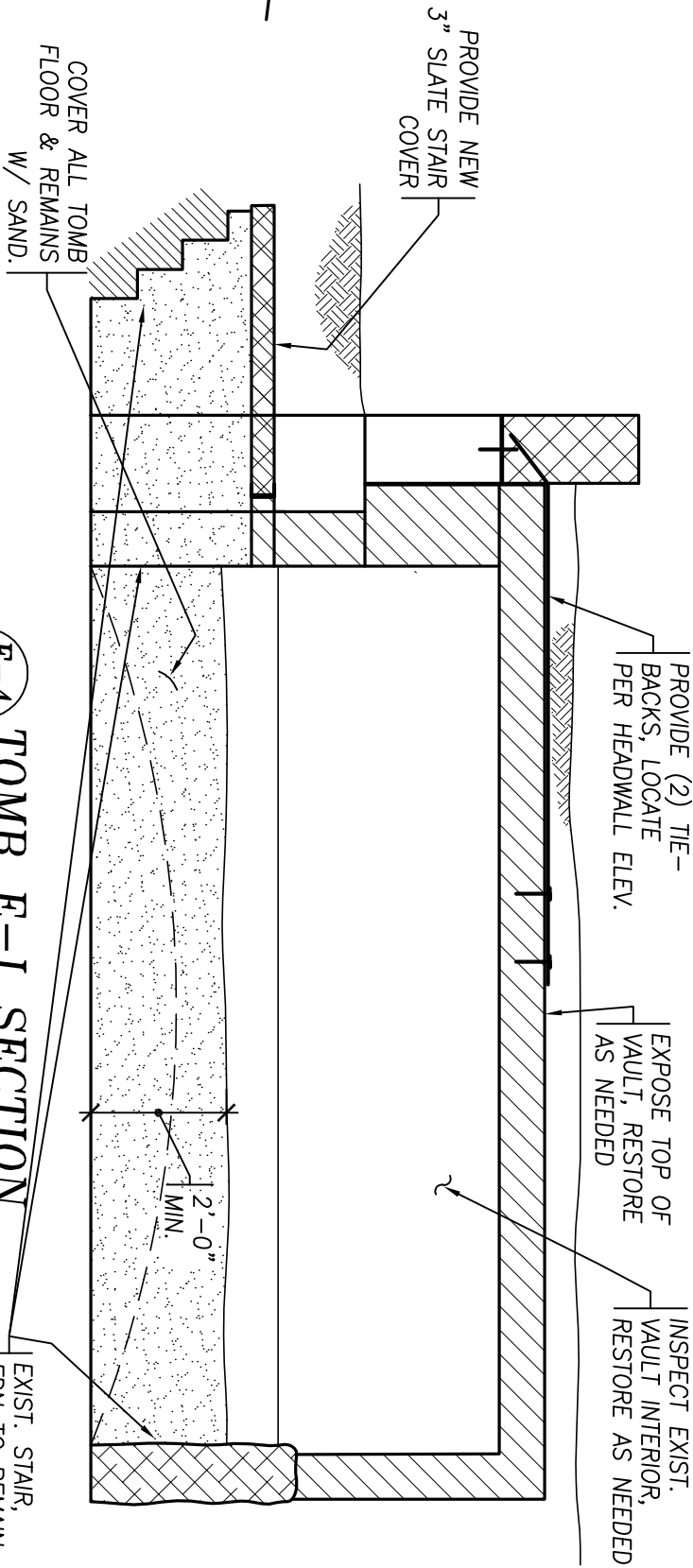
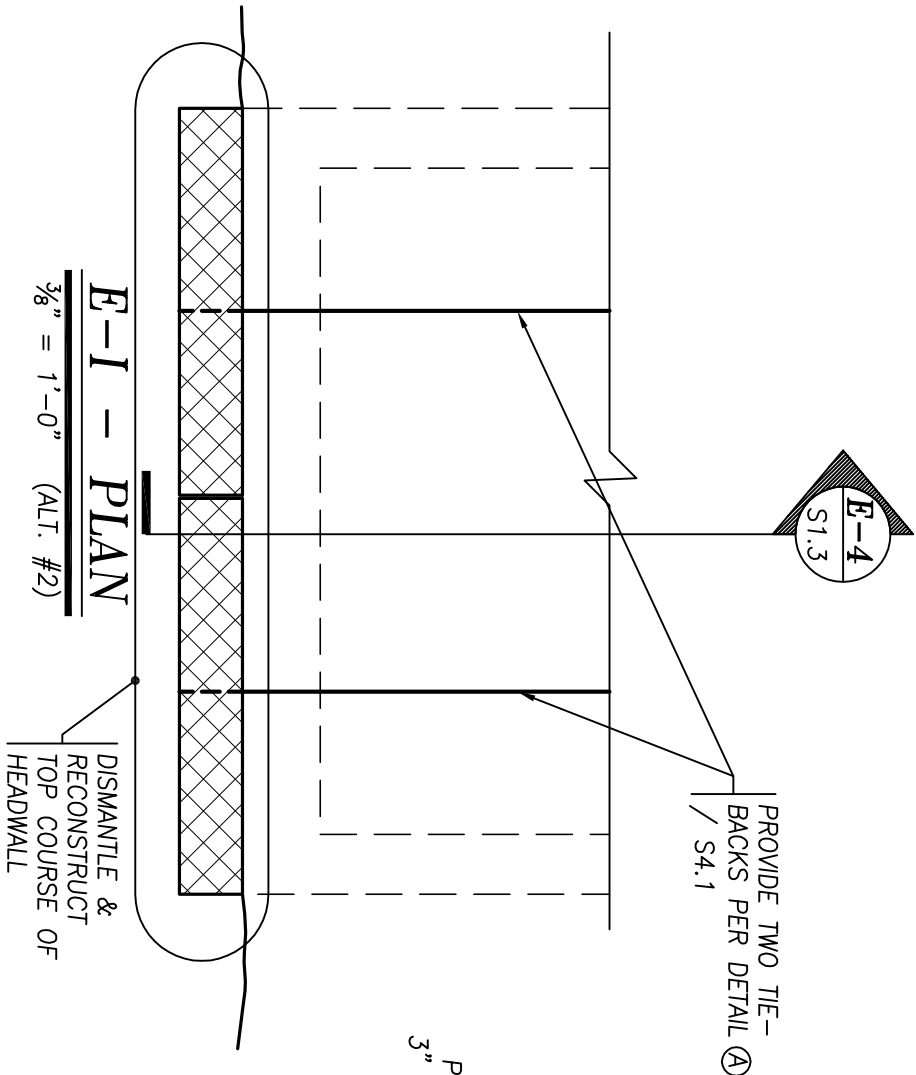
E-C ELEVATION
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)

E-B ELEVATION
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)

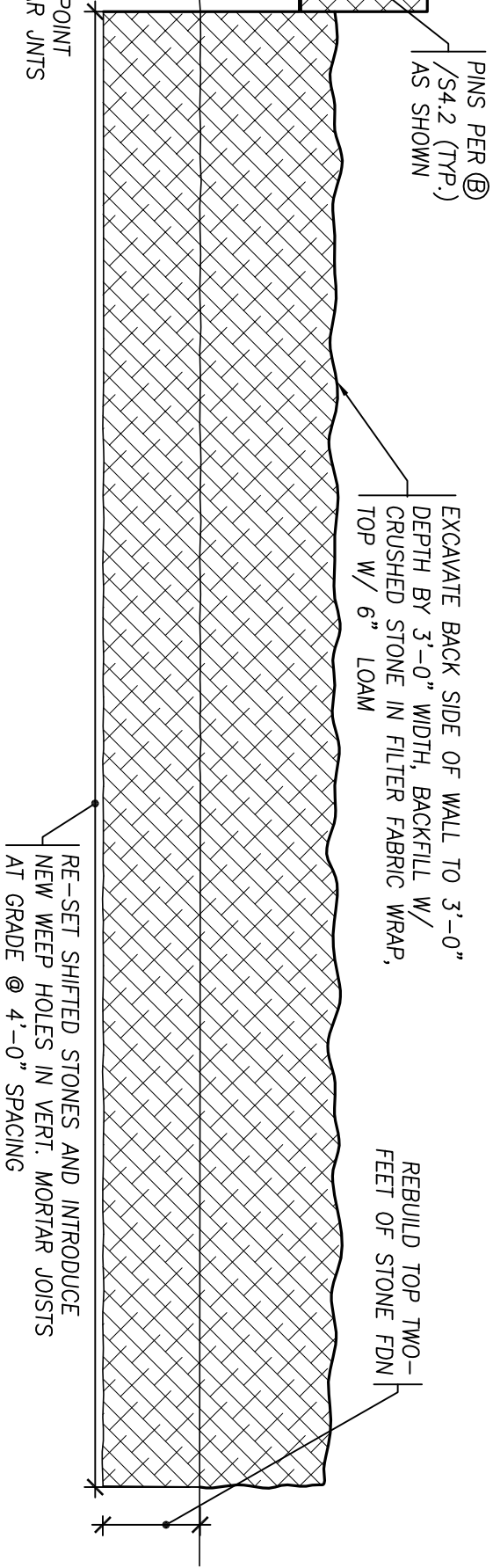
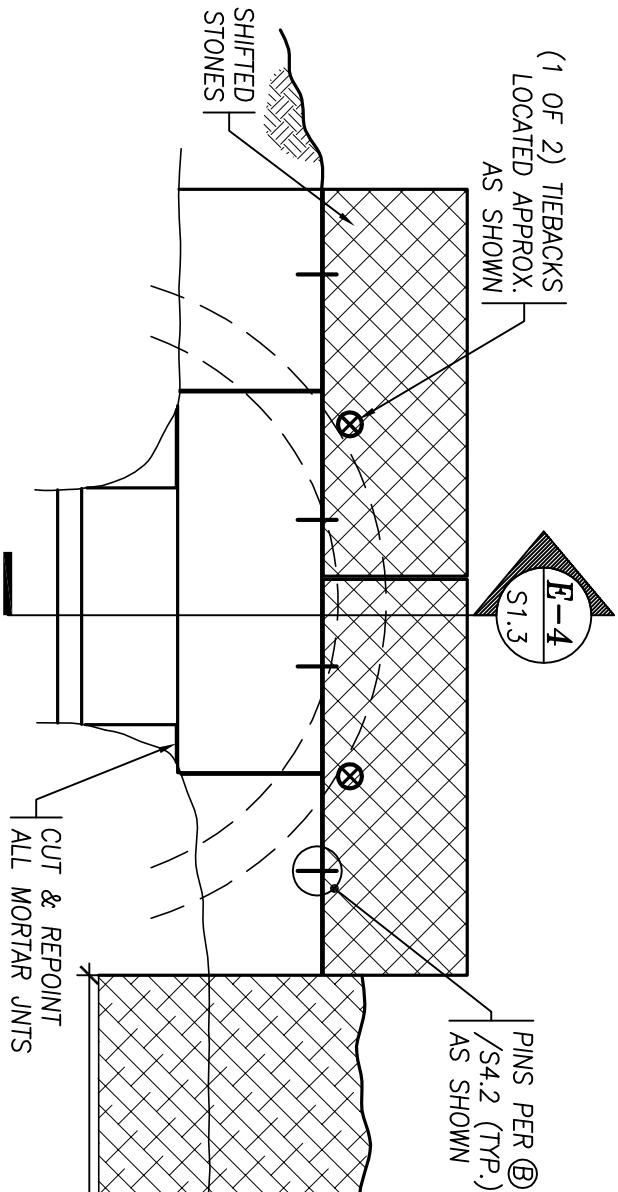
E-A ELEVATION
 $\frac{3}{8}" = 1'-0"$ (ALT. #4)



- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.



- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.



HISTORIC NEWTON BURYING GROUNDS NEWTON, MASSACHUSETTS

PROJECT NAME:

DRWN: SB/PN
DATE: 04-19-11
SCALE: AS NOTED
CHECKED BY: JMW

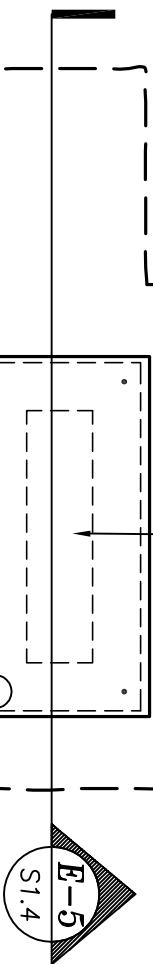
EAST PARISH
ELEVATIONS &
SECTIONS

S1.3

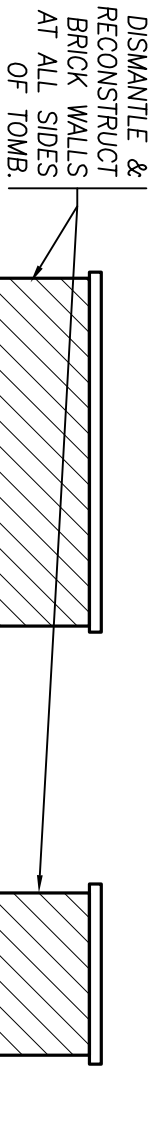
Structures North
CONSULTING ENGINEERS, INC.
Salem | Hartford
60 Washington St., Suite 471
Salem, MA, 01970-5517
T 978.745.0817 | F 978.745.0087
www.structures-north.com

REMOVE AND SALVAGE ALL MARBLE FRAGMENTS.
PRE-CONSOLIDATE MARBLE WITH HCT PRIOR TO CLEANING.
CLEAN AS SPECIFIED. REATTACH SMALL FRAGMENTS AND
GROUT FISSURES. CONSOLIDATE MARBLE SLAB AS SPECIFIED
RESET MARBLE SLAB IN TWO PIECES ON FULL MORTAR BED
- SLOPE UNITS TO DRAIN WATER FROM SURFACE. FILL SEAM
BETWEEN TWO PIECES WITH SPECIFIED JAHN REPAIR MORTAR.
SEE SPEC SECTION 04550

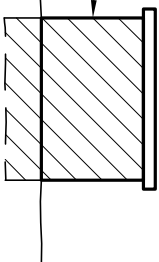
EXPPOSE TOP OF
VAULT, RESTORE AS
NEEDED



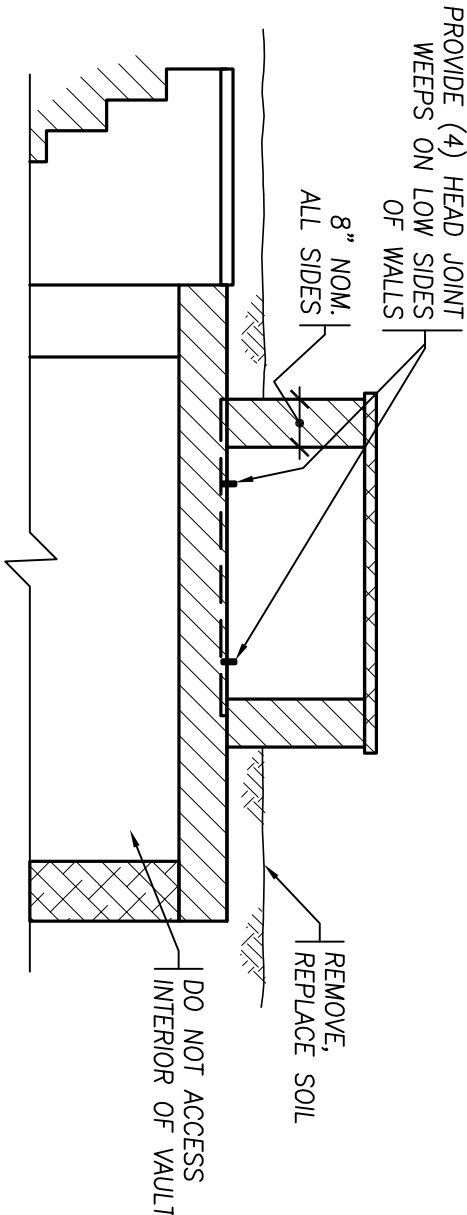
E-211 PLAN
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)
(1 OF 4) PINS TO
STONE CAP PER
DET. (B) / S4.2



E-211 SIDE ELEVATION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)

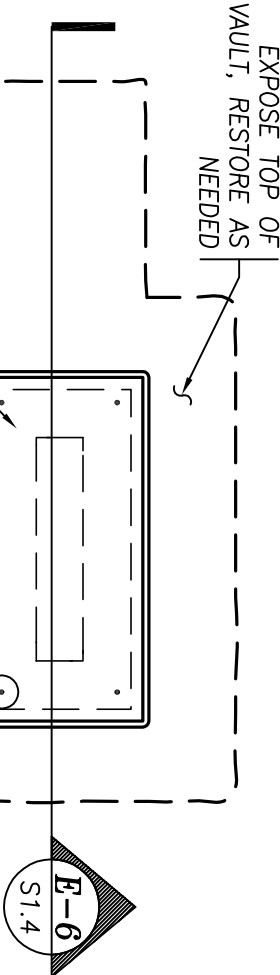


E-211 END ELEVATION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)

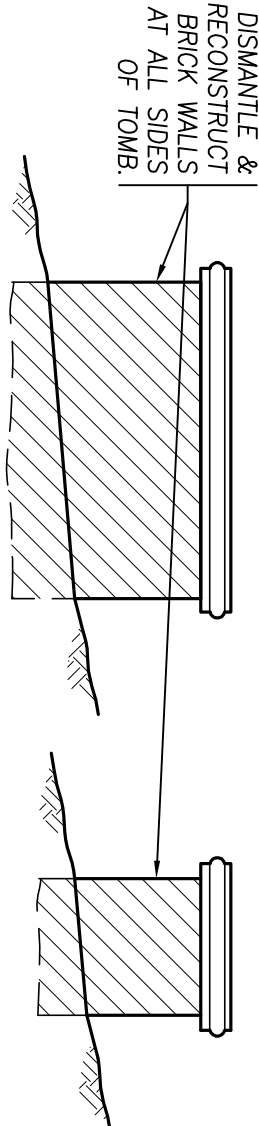


E-5
E-211 SECTION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)
S1.4

- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS
ARE APPROXIMATE.

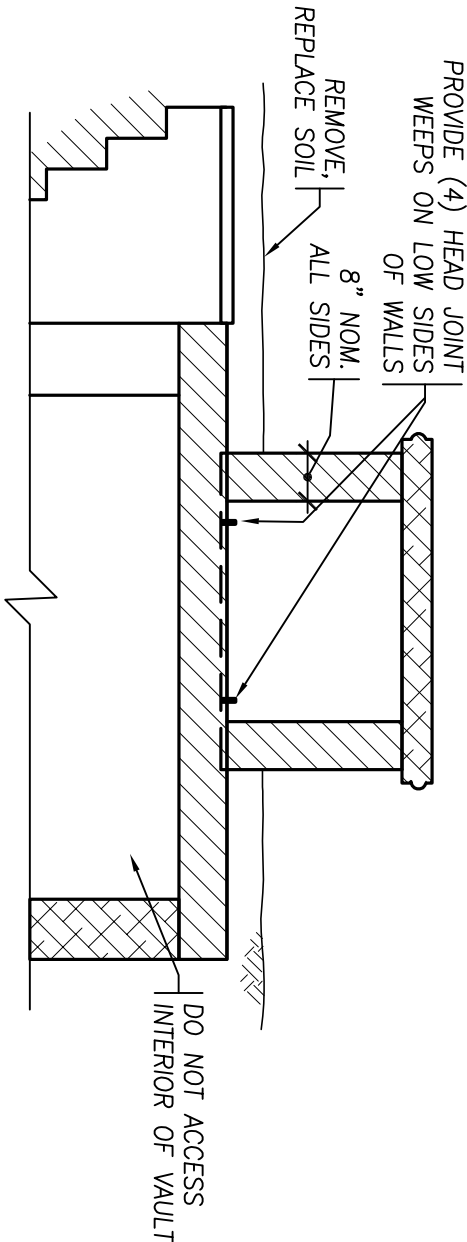


TOMB E-220 PLAN
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)
EXPPOSE TOP OF
VAULT, RESTORE AS
NEEDED
CLEAN BROWNSTONE
SLAB PRIOR TO
RE-SETTING, SEE
SPEC SECT 04550
(1 OF 4) PINS TO
STONE CAP PER
DET. (B) / S4.2



E-220 SIDE ELEVATION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)

E-220 END ELEVATION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)



E-6
E-220 SECTION
 $\frac{3}{8}'' = 1'-0''$ (ALT. #5)
S1.4

HISTORIC NEWTON BURYING GROUNDS NEWTON, MASSACHUSETTS

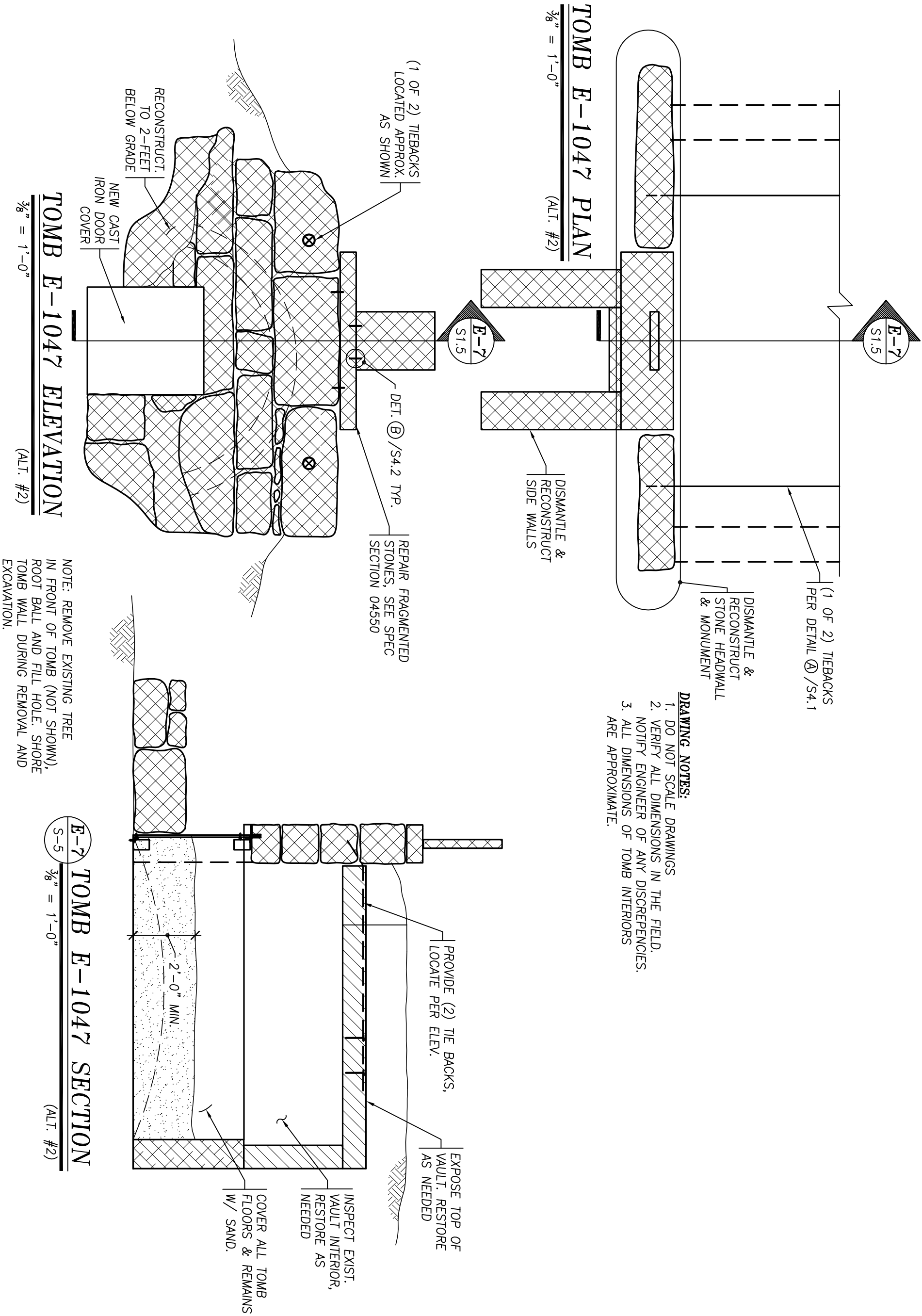
PROJECT NAME:

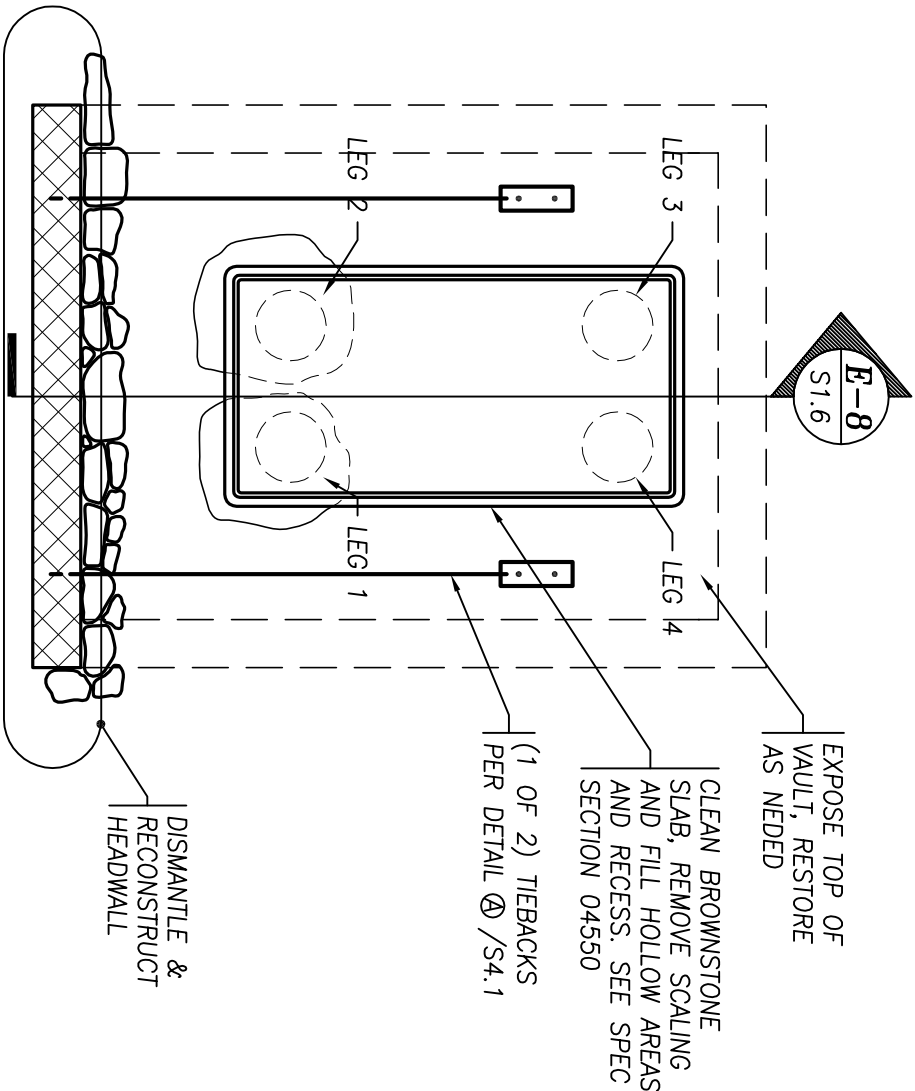
DRWN: PN/SB
DATE: 04-19-11
SCALE: AS NOTED
CHECKED BY: JMW

EAST PARISH
E-211 & E-220

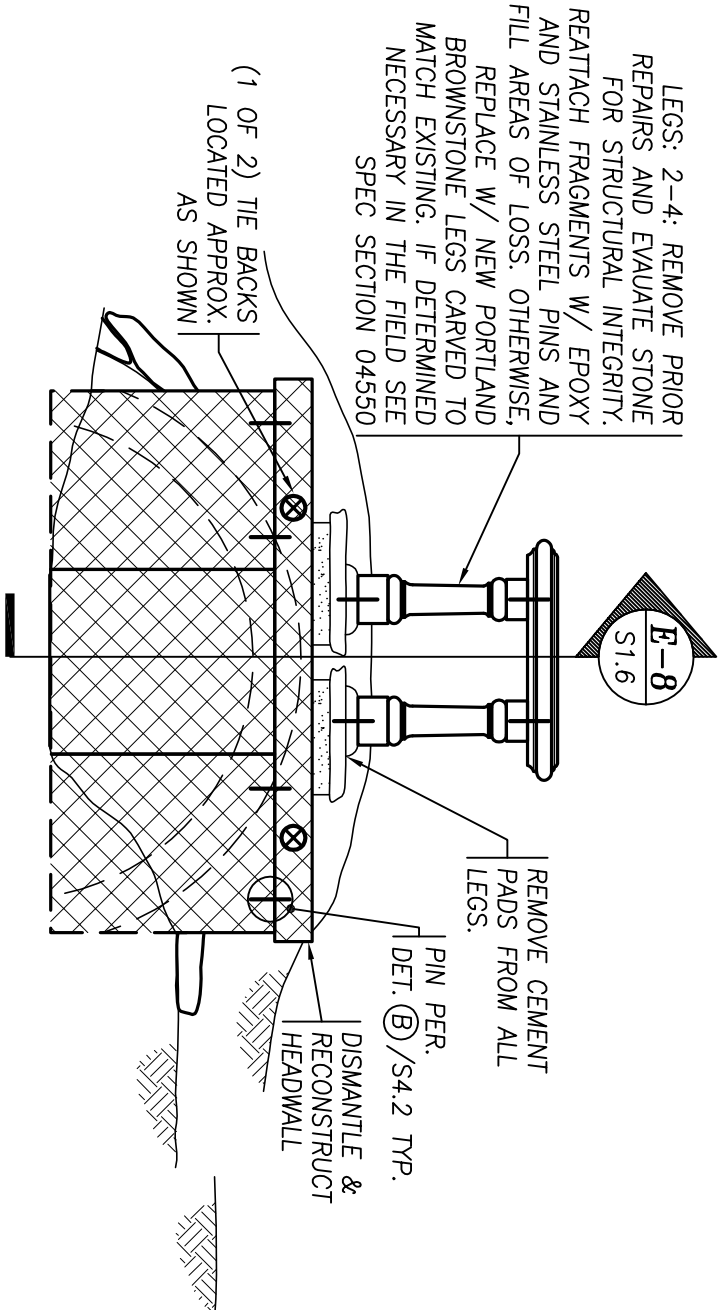
S1.4

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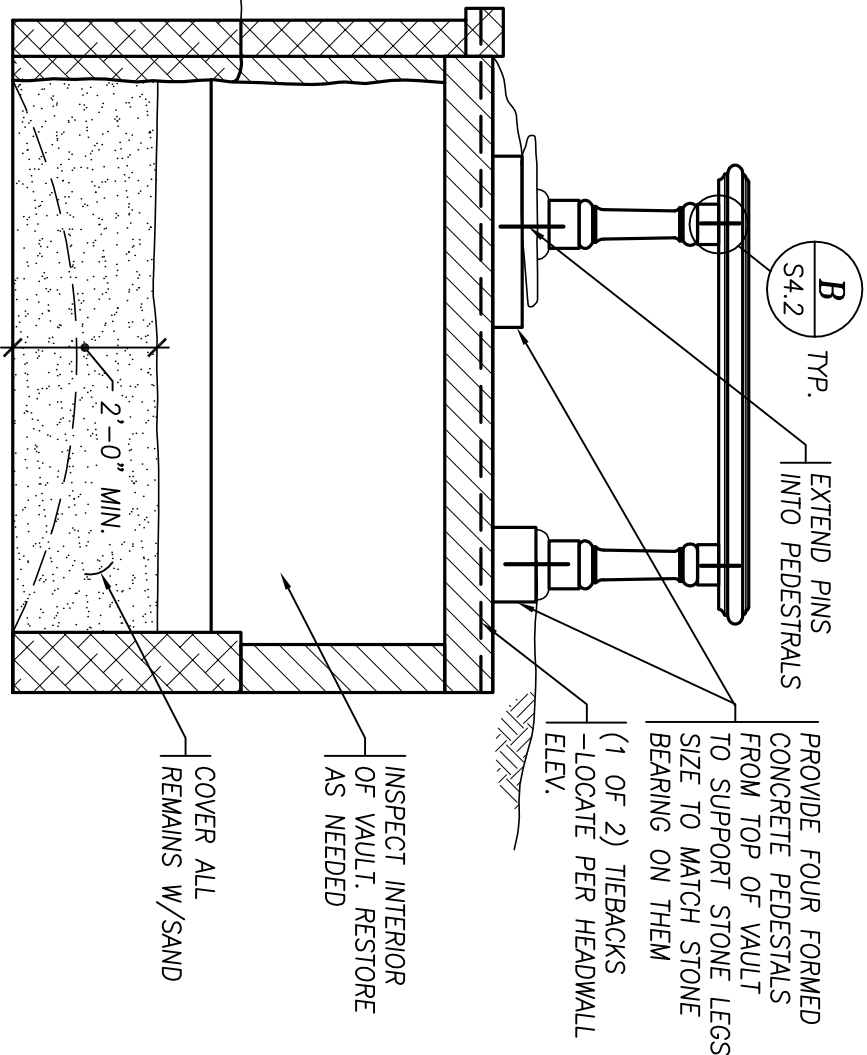


E-1113 PLAN
3/8" = 1'-0" (ALT. #2)



E-1113 FRONT ELEVATION
3/8" = 1'-0" (ALT. #2)

- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPENCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.



E-1113 SECTION
S-6 3/8" = 1'-0" (ALT. #2)

- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
 3. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.

CLEAN BROWNSTONE SLAB.
INJECT AND CAP DELAMINATION,
AND FILL CRACKS AND SHALLOW
AREAS OF LOSS PRIOR TO
RESETTING W/ MORTAR
SEE SPEC SECTION 04550

EXPLODE, INSPECT &
RESTORE TOP SURFACE
OF VAULT AS NEEDED

E10
S1.8

(1 OF 4) DET. Ⓑ/
S4.2 TO CAP SLAB

E-TABLE TOP 1- PLAN

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

DISMANTLE &
RECONSTRUCT
TABLE TOP

**E-TABLE
TOP 1 ELEVATION**

(ALT. #5)

**E-TABLE TOP 1
SIDE ELEVATION**

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

8" NOM. ALL
SIDES

(1 OF 4) HEAD
JOINT WEEPS AT
LOW SIDES OF WALL

DET. Ⓑ /S4.2
AT (4) LOC'NS

DO NOT ACCESS
INTERIOR OF VAULT

EXPLODE, INSPECT &
RESTORE TOP SURFACE
OF VAULT AS NEEDED

E11
S1.8

(1 OF 4) DET. Ⓑ/
S4.2 TO CAP SLAB

RESET SLAB
COVER W/
MORTAR

E-KENRICK - PLAN

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

DISMANTLE &
RECONSTRUCT
TABLE TOP

REPAIR BROKEN
STONE, SEE SPEC
SECTION 04550

**E-KENRICK -
END ELEVATION**

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

**E-KENRICK -
SIDE ELEVATION**

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

(1 OF 4) BED JOINT
WEEPS AT LOW SIDES
OF WALLS

DO NOT ACCESS
INTERIOR OF VAULT

E10 E-TABLE TOP 1 SECTION

S1.8

$\frac{3}{8}" = 1'-0"$

(ALT. #5)

E11 E-KENRICK SECTION

S1.8

$\frac{3}{8}" = 1'-0"$

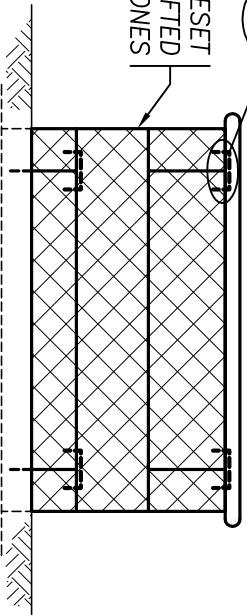
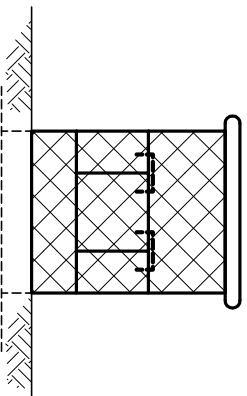
(ALT. #5)

(1 OF 4) PINS TO STONE
PER DET. @/S4.2

- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS
ARE APPROXIMATE.

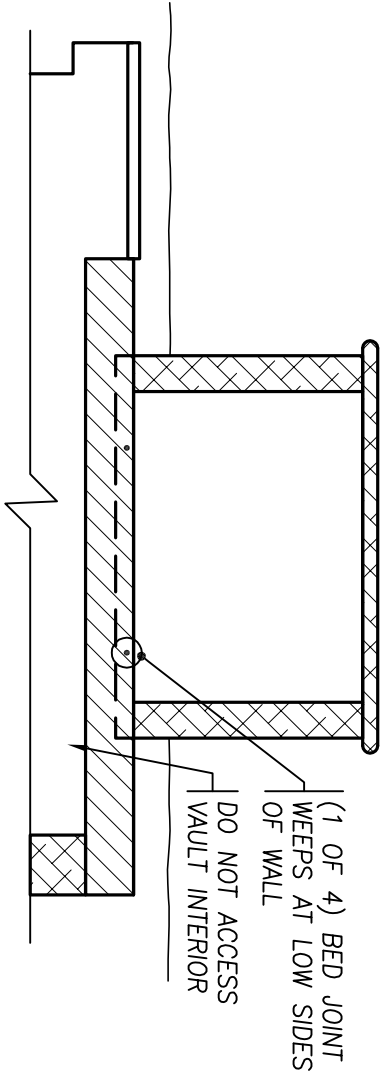
EXPOSE, INSPECT TOP
OF VAULT, RESTORE AS
NEEDED

E-T JACKSON PLAN
 $\frac{3}{8}" = 1'-0"$
(ALT. #5)



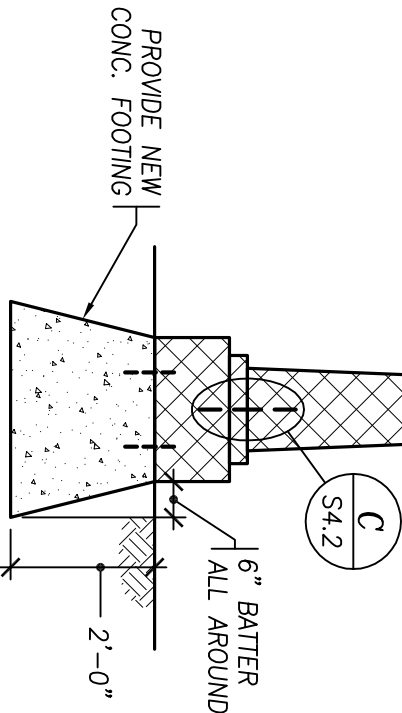
**E-T JACKSON
END ELEVATION**
 $\frac{3}{8}" = 1'-0"$
(ALT. #5)

**E-T JACKSON
SIDE ELEVATION**
 $\frac{3}{8}" = 1'-0"$
(ALT. #5)



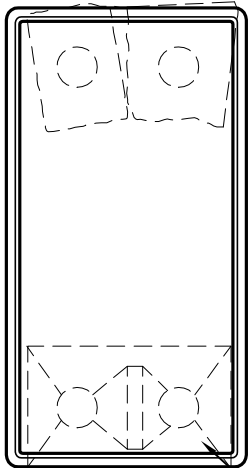
E12 E-T JACKSON SECTION
 $\frac{3}{8}" = 1'-0"$
(ALT. #5)

CLEAN ALL STONES
AND FILL CRACKS
PRIOR TO RESETTING
SEE SPEC SECT. 04550

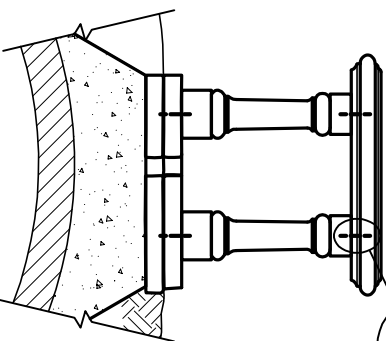
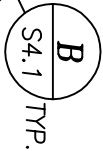


E-ROGERS ELEVATION
 $\frac{3}{8}" = 1'-0"$
(ALT. #5)

CLEAN BROWNSTONE
SLAB AND INJECT AND
CAP CRACKS AND FISSURES
PRIOR TO RESETTING,
SEE SPEC SECTION 04550

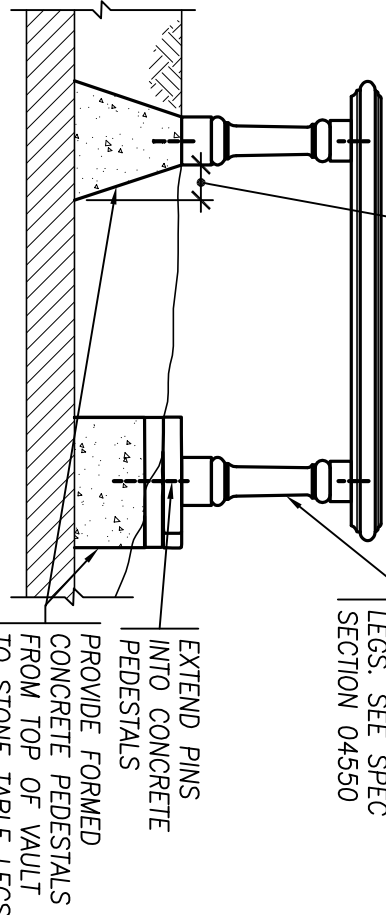


E-S JACKSON PLAN
 $\frac{3}{8}" = 1'-0"$
(ALT. #2)

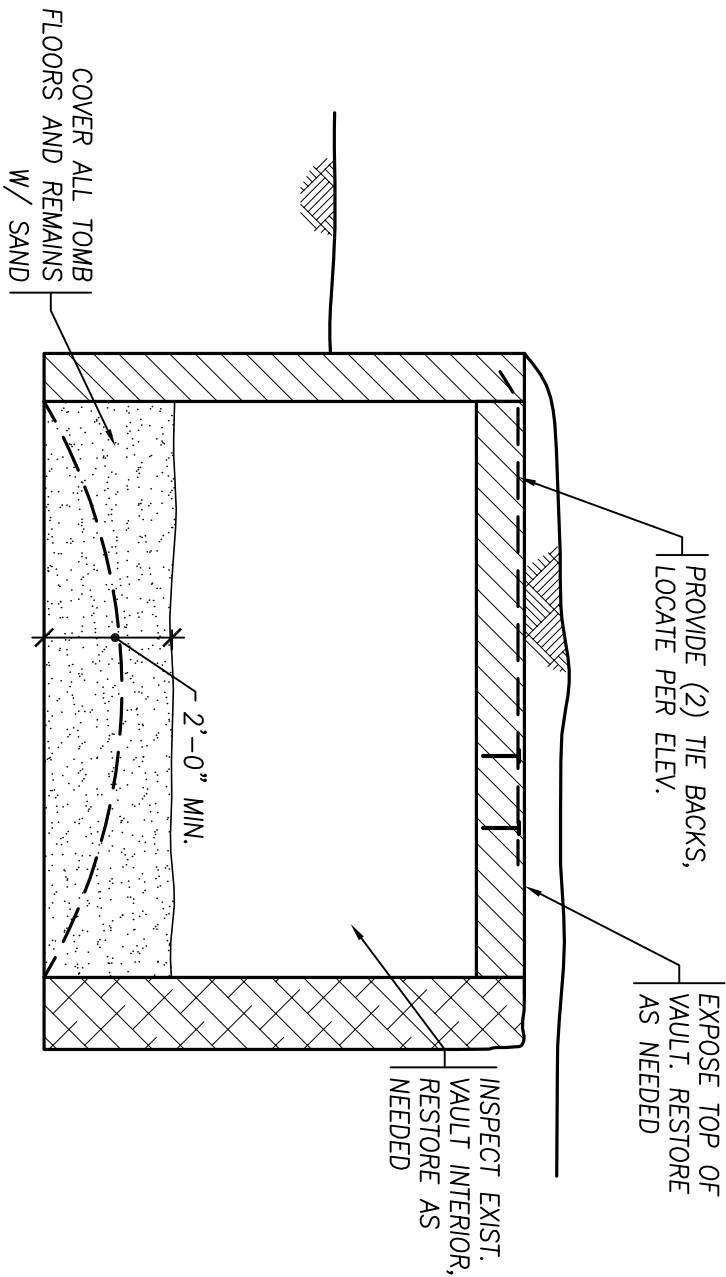
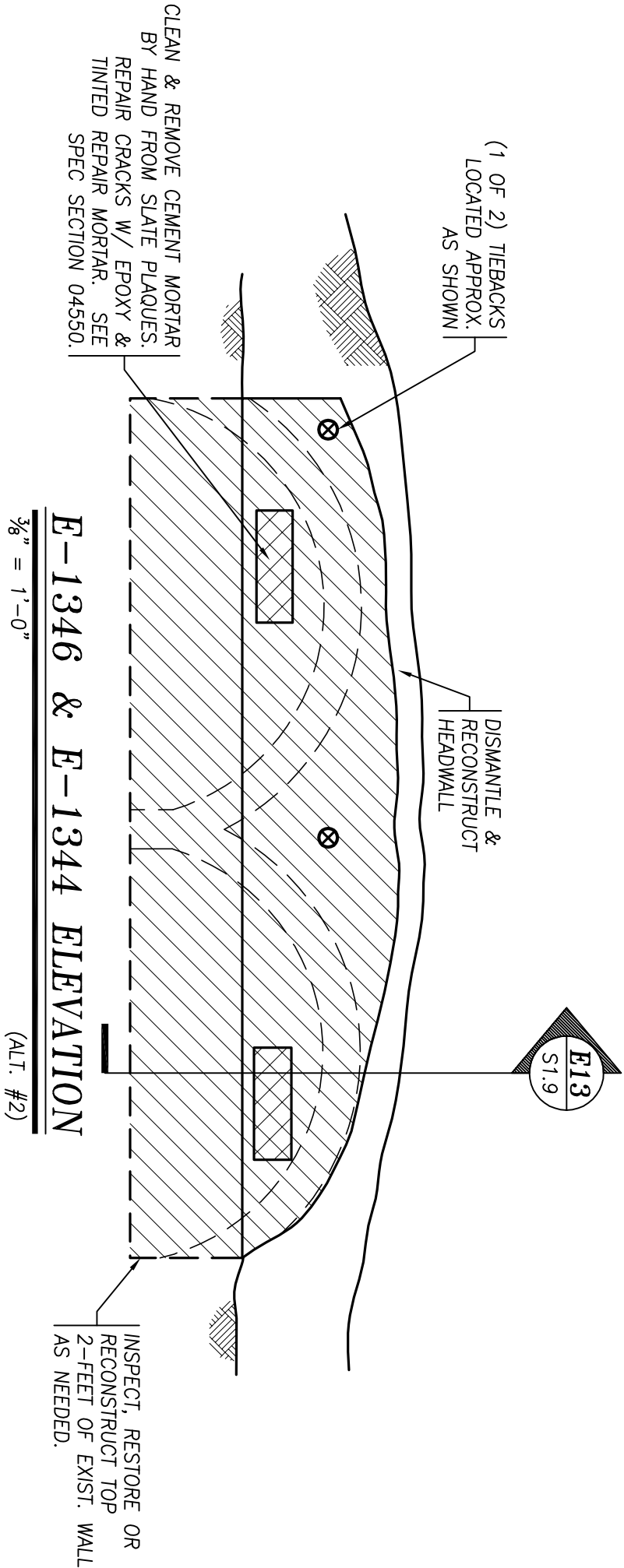


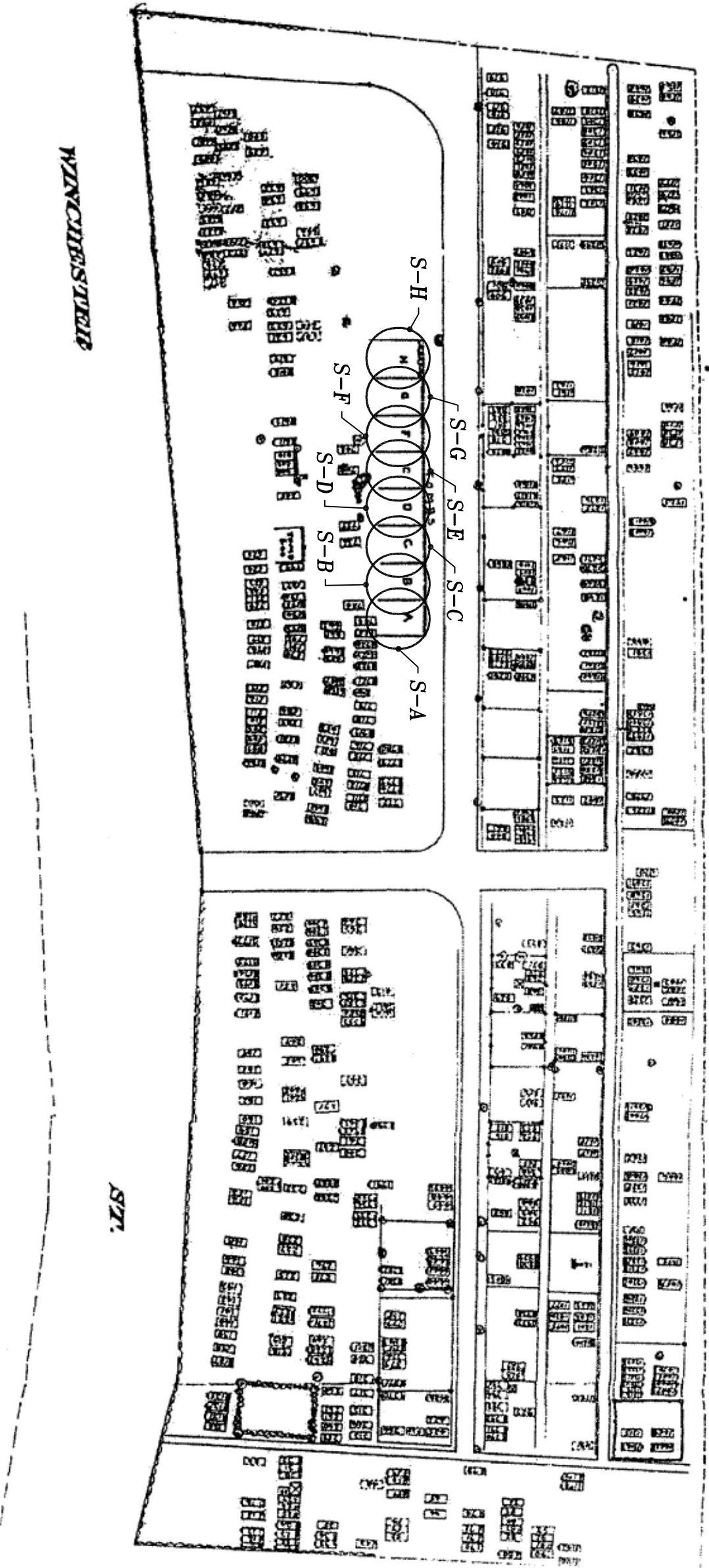
**E-S JACKSON
- END ELEVATION**
 $\frac{3}{8}" = 1'-0"$
(ALT. #2)

6" BATTER ALL AROUND,
DEPRESS TOP 6" BELOW
GRADE WHERE PEDESTAL
MEET BETW. LEGS

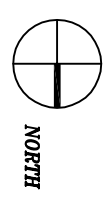


**E-S JACKSON
- SIDE ELEVATION**
 $\frac{3}{8}" = 1'-0"$
(ALT. #2)

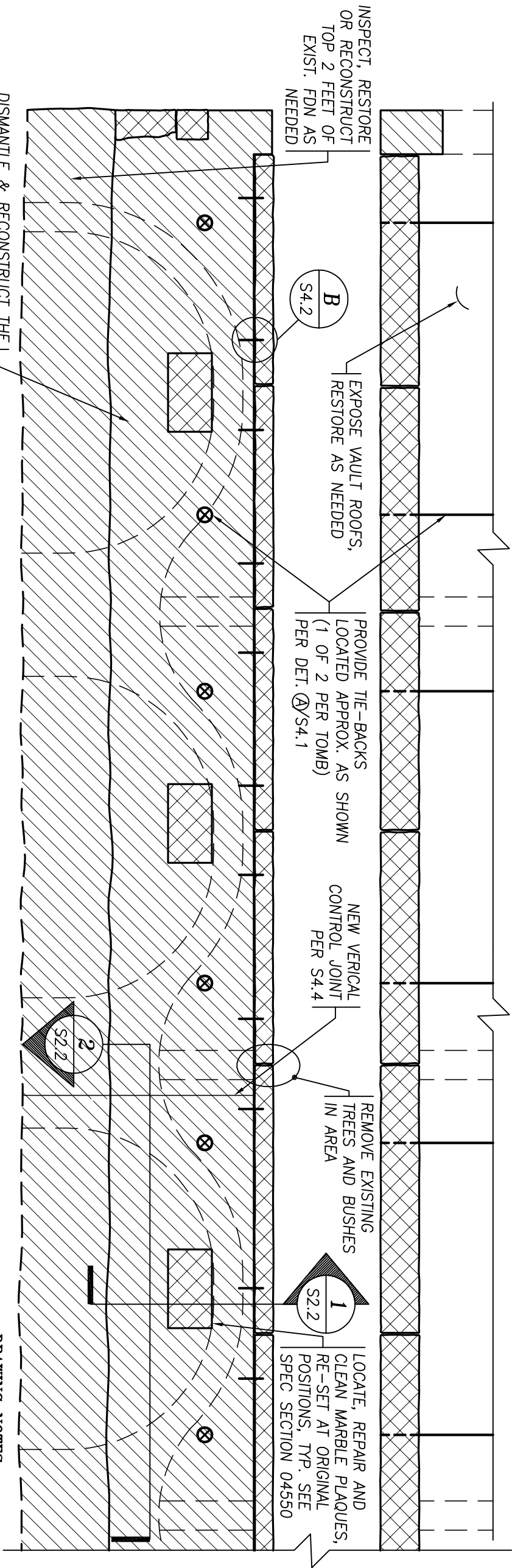




SOUTH PARISH BURYING GROUND



NOTE: ALL WORK ON TOMBS S-A TO S-G
TO BE PROVIDED UNDER THE BASE BID.
WORK ON TOMB S-H TO BE PROVIDED
UNDER ALTERNATE #1.



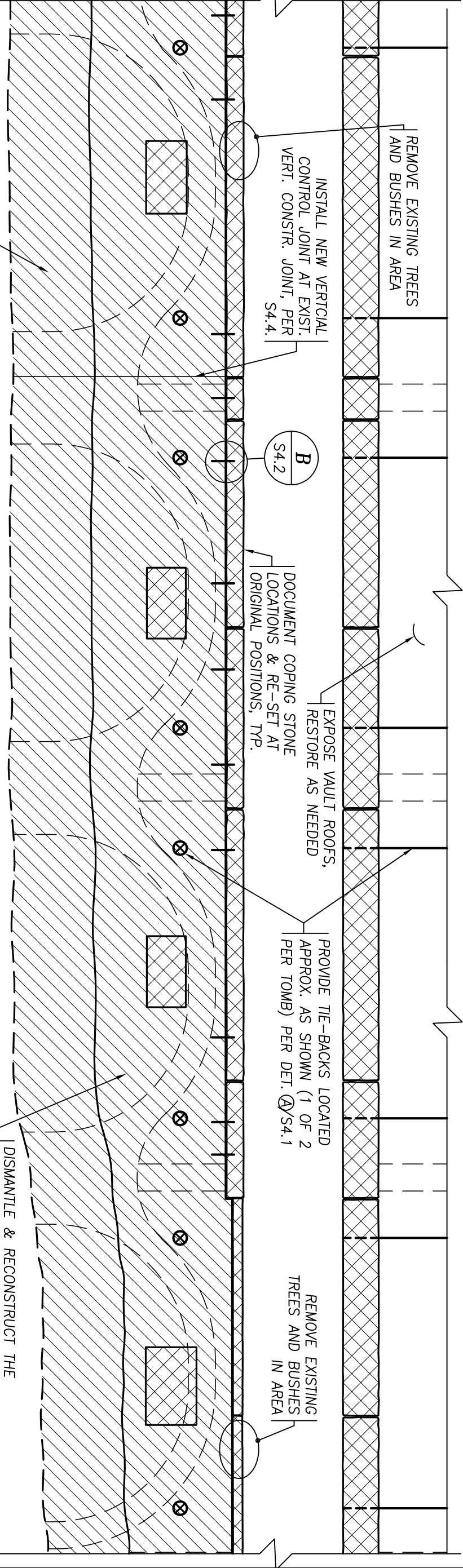
S-A TO S-C ELEVATION & PARTIAL PLAN

(BASE BID)

DRAWING NOTES:

1. DO NOT SCALE DRAWINGS
2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPENCIES.

DISMANTLE & RECONSTRUCT THE FRONT ELEVATION BRICK WALL FOR THE FULL LENGTH, RE-SET TOMB MARKERS



INSPECT, RESTORE OR RECONSTRUCT TOP 2-FEET OF EXIST. FDN. AS NEEDED

S-D TO S-G ELEVATION & PARTIAL PLAN

(BASE BID)

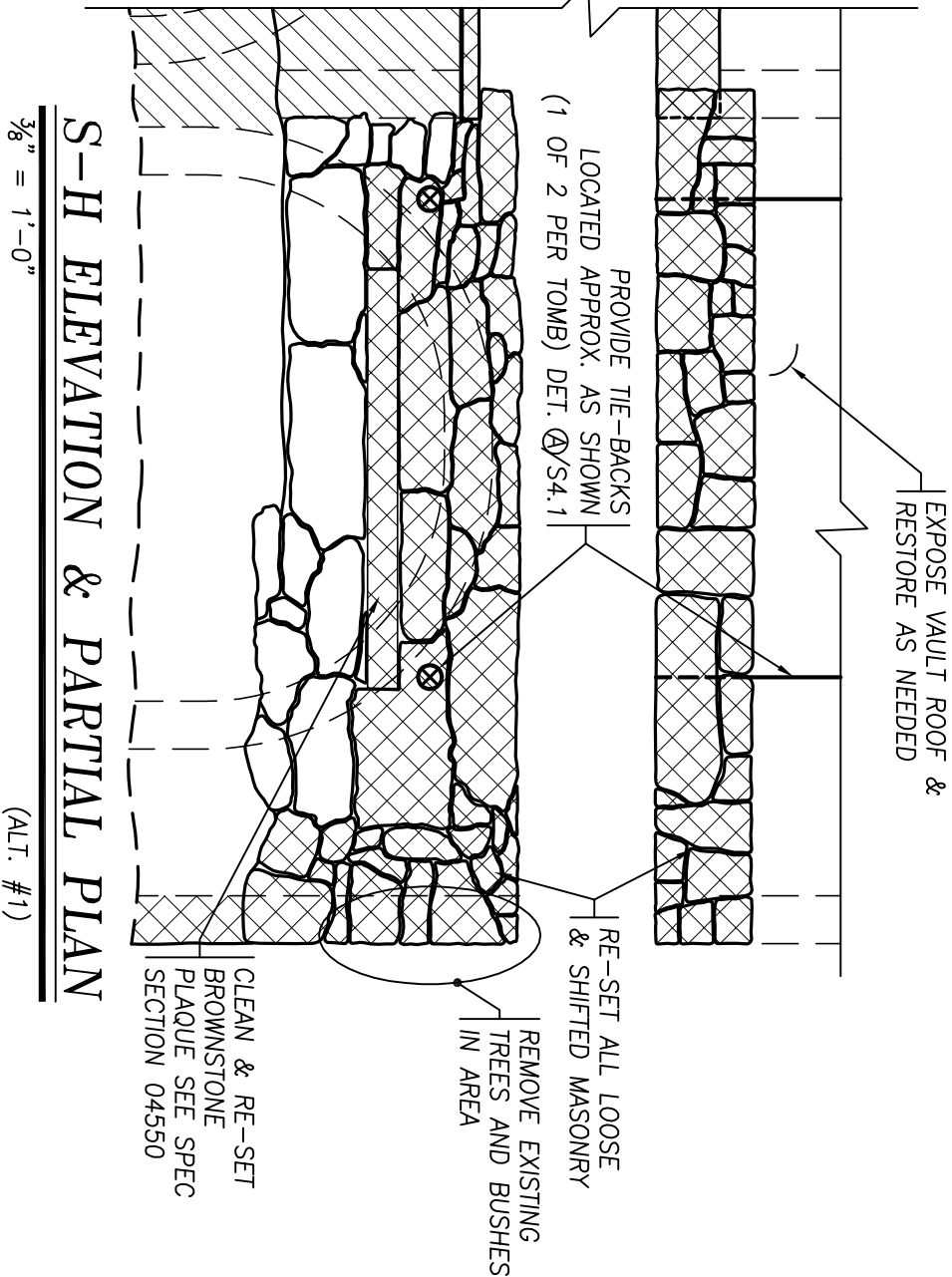
DISMANTLE & RECONSTRUCT THE FRONT ELEVATION BRICK WALL FOR THE FULL LENGTH, RE-SET TOMB MARKERS

PROJECT NAME:

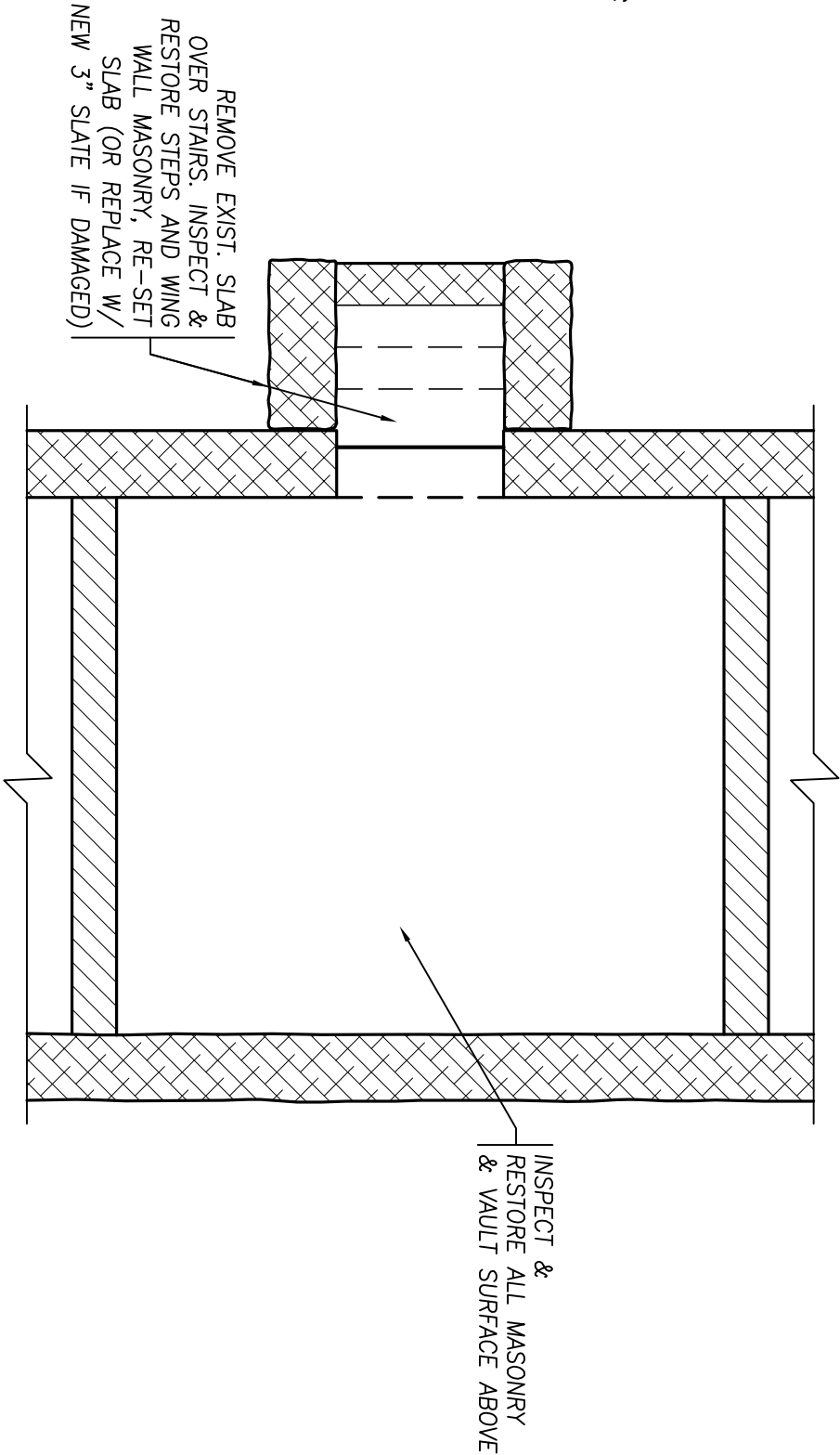
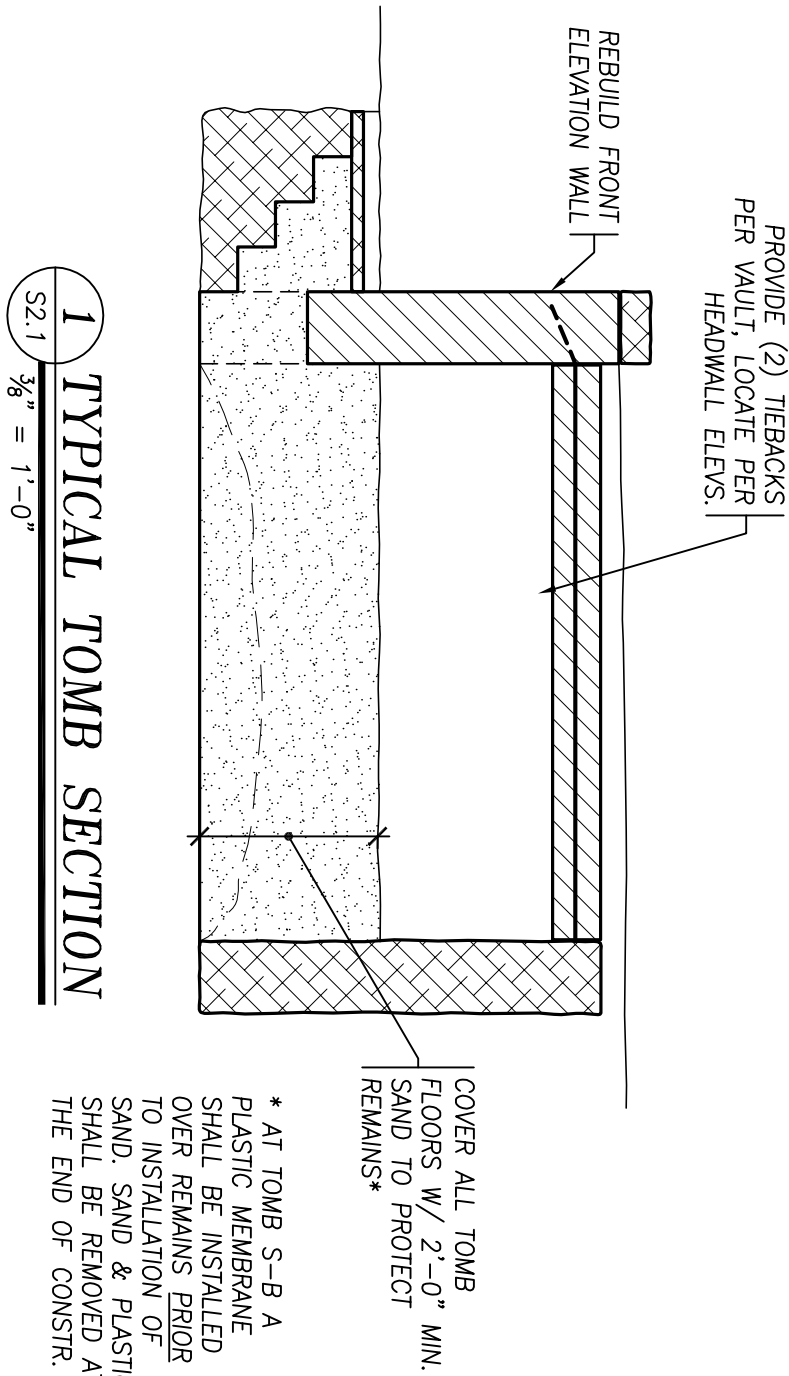
HISTORIC NEWTON BURYING GROUNDS NEWTON, MASSACHUSETTS

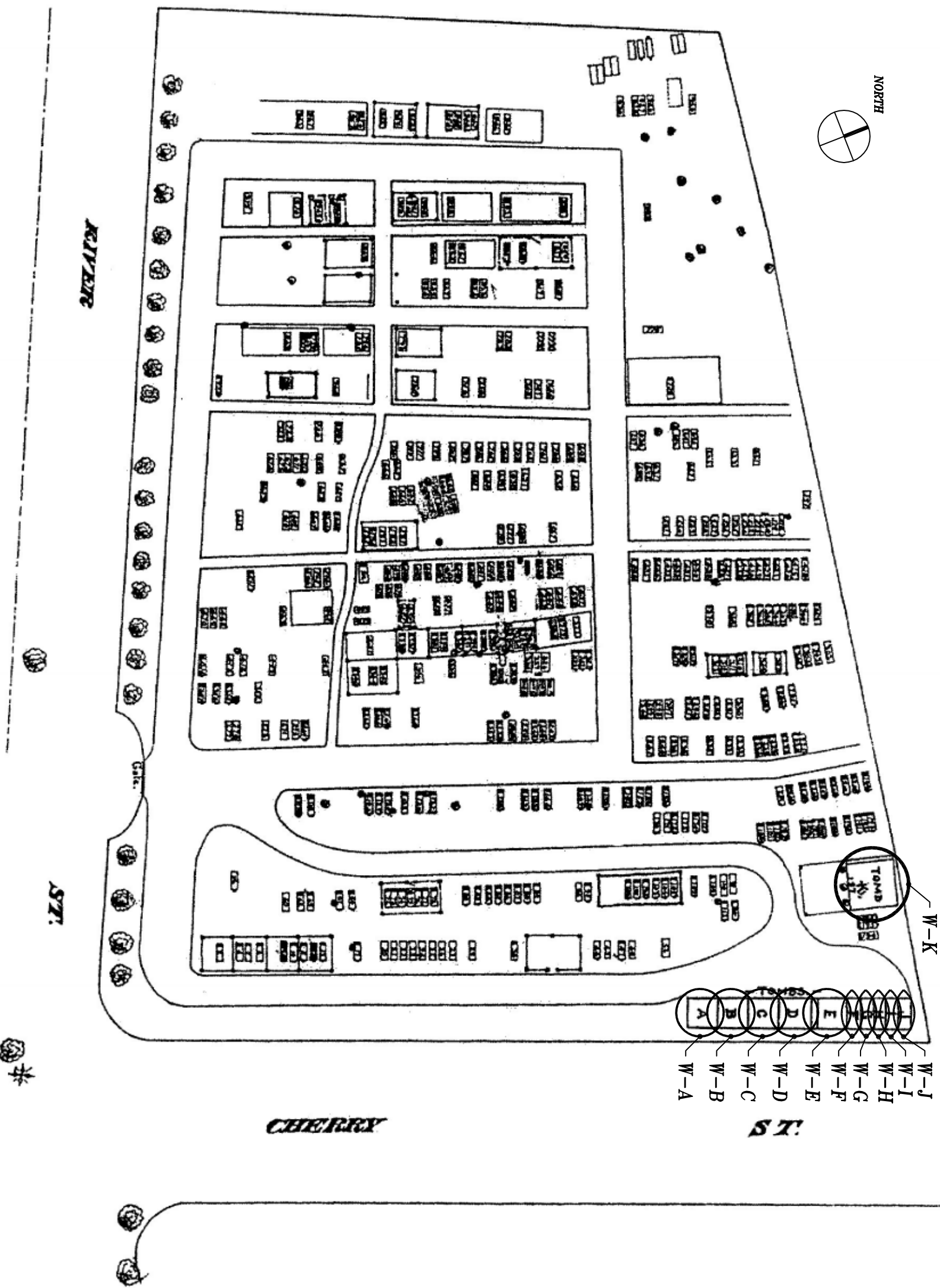
DRWN: PN/SB
DATE: 04-19-11
SCALE: AS NOTED
CHECKED BY: JMW

**SOUTH PARISH
ELEVATIONS
& PARTIAL PLANS**



- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
NOTIFY ENGINEER OF ANY DISCREPENCIES.

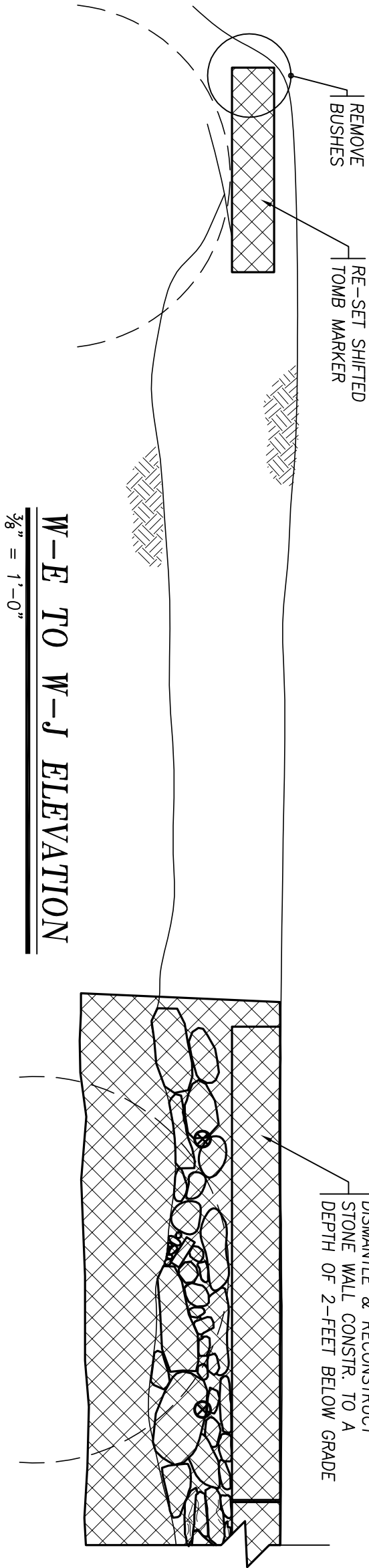
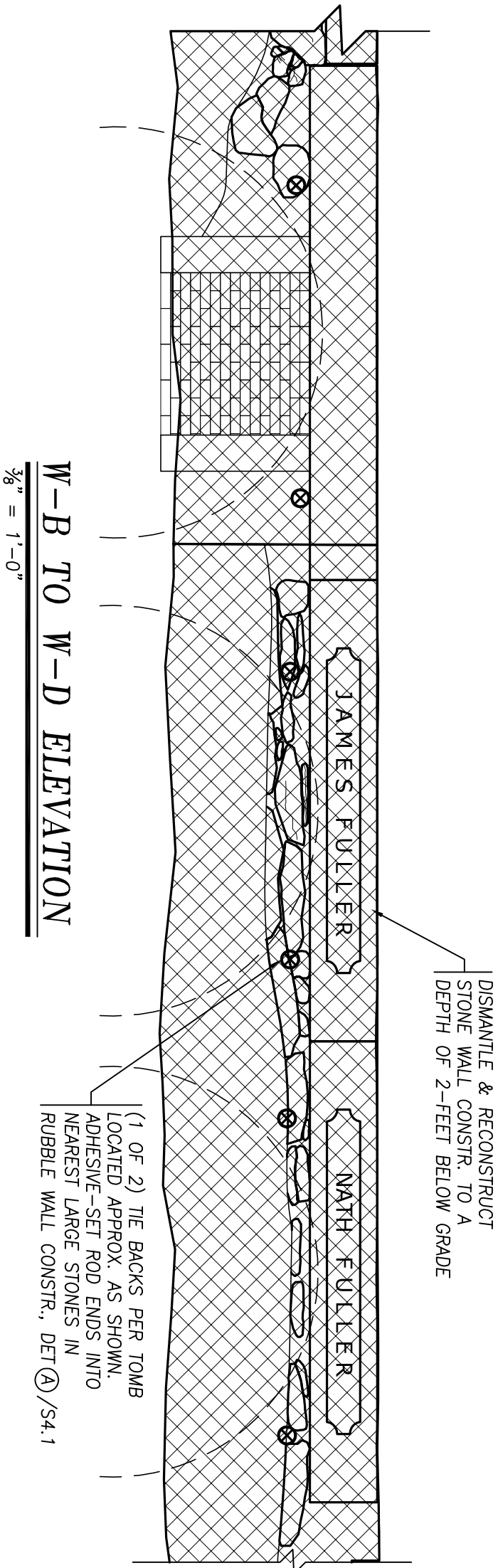
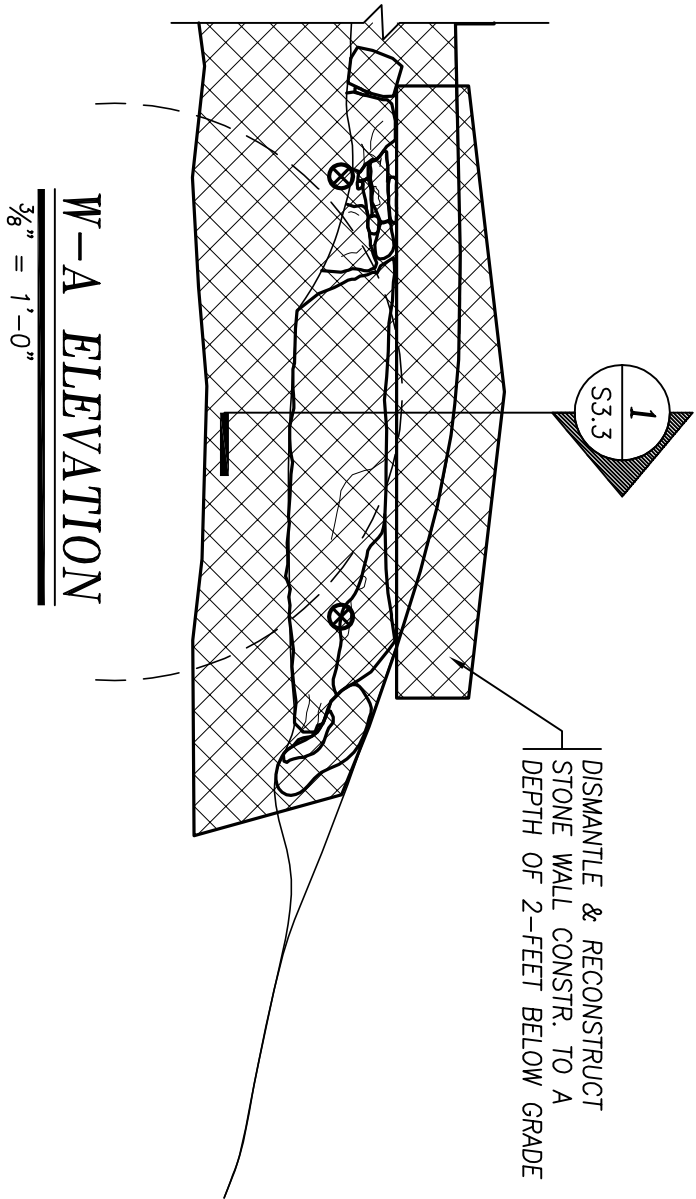


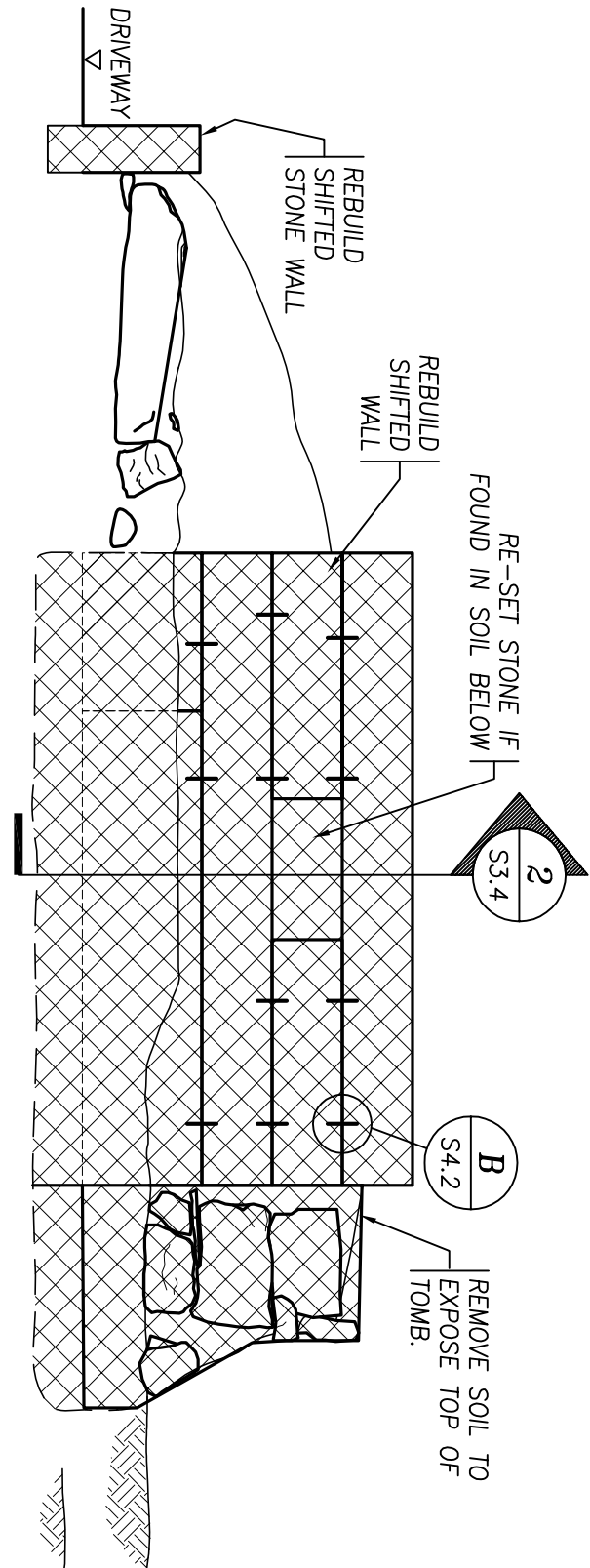


WEST PARISH BURYING GROUND

NOTE: ALL WORK AT THIS BURYING GROUND
TO BE PROVIDED UNDER ALTERNATE #3.

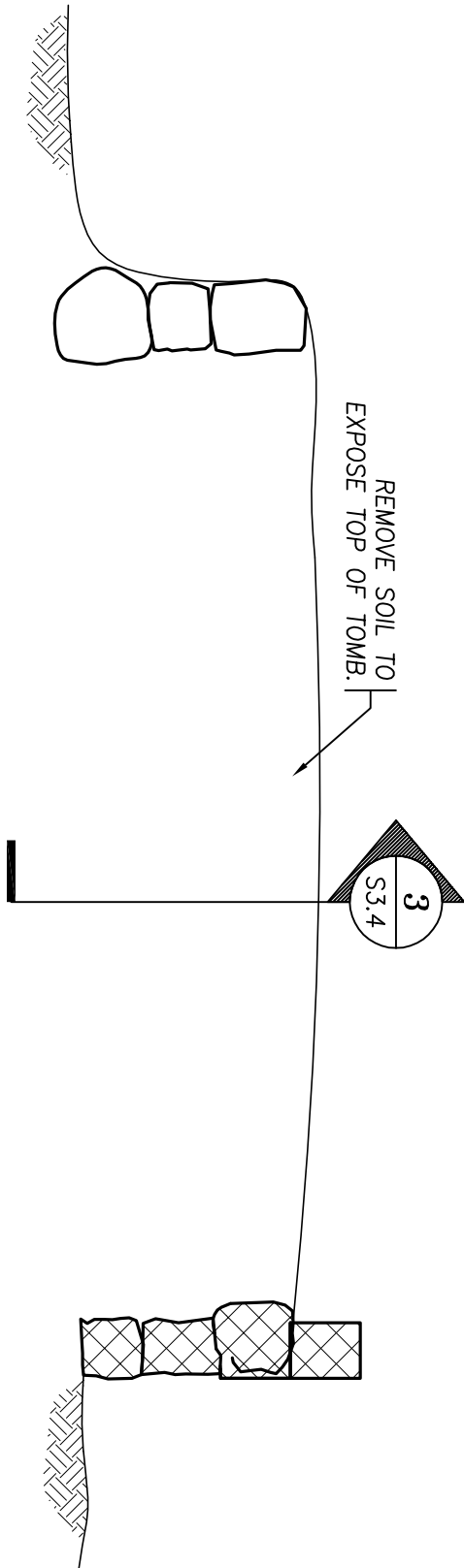
- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPENCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.





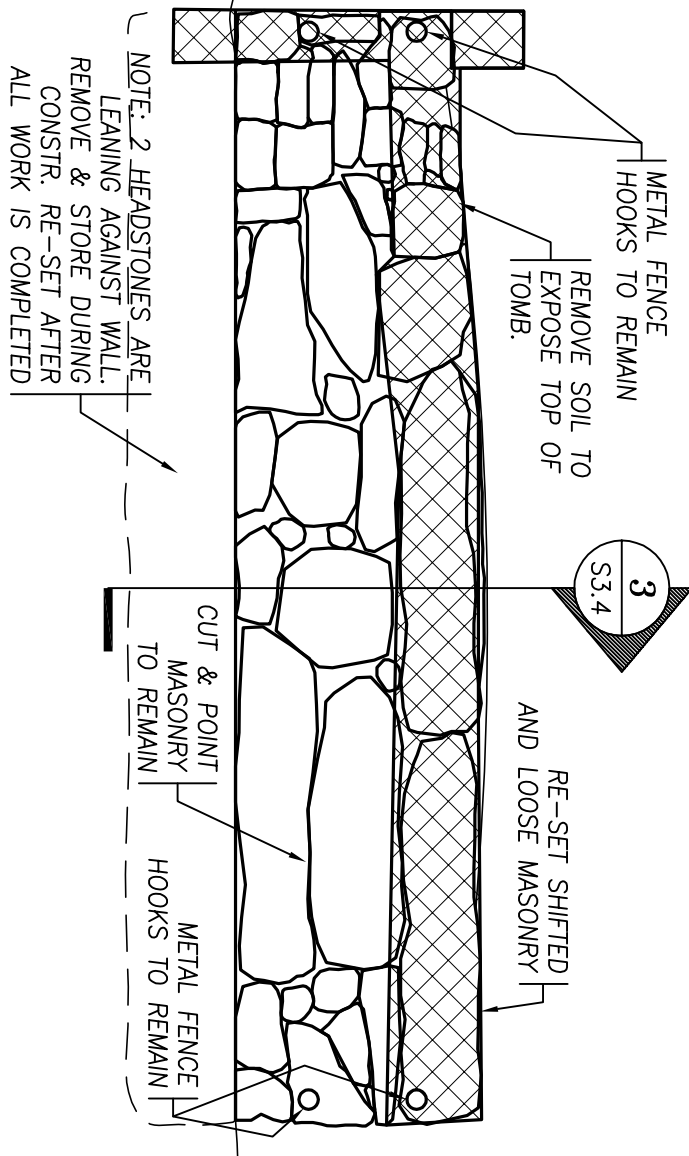
W-K WEST ELEVATION

$\frac{3}{8}'' = 1'-0''$



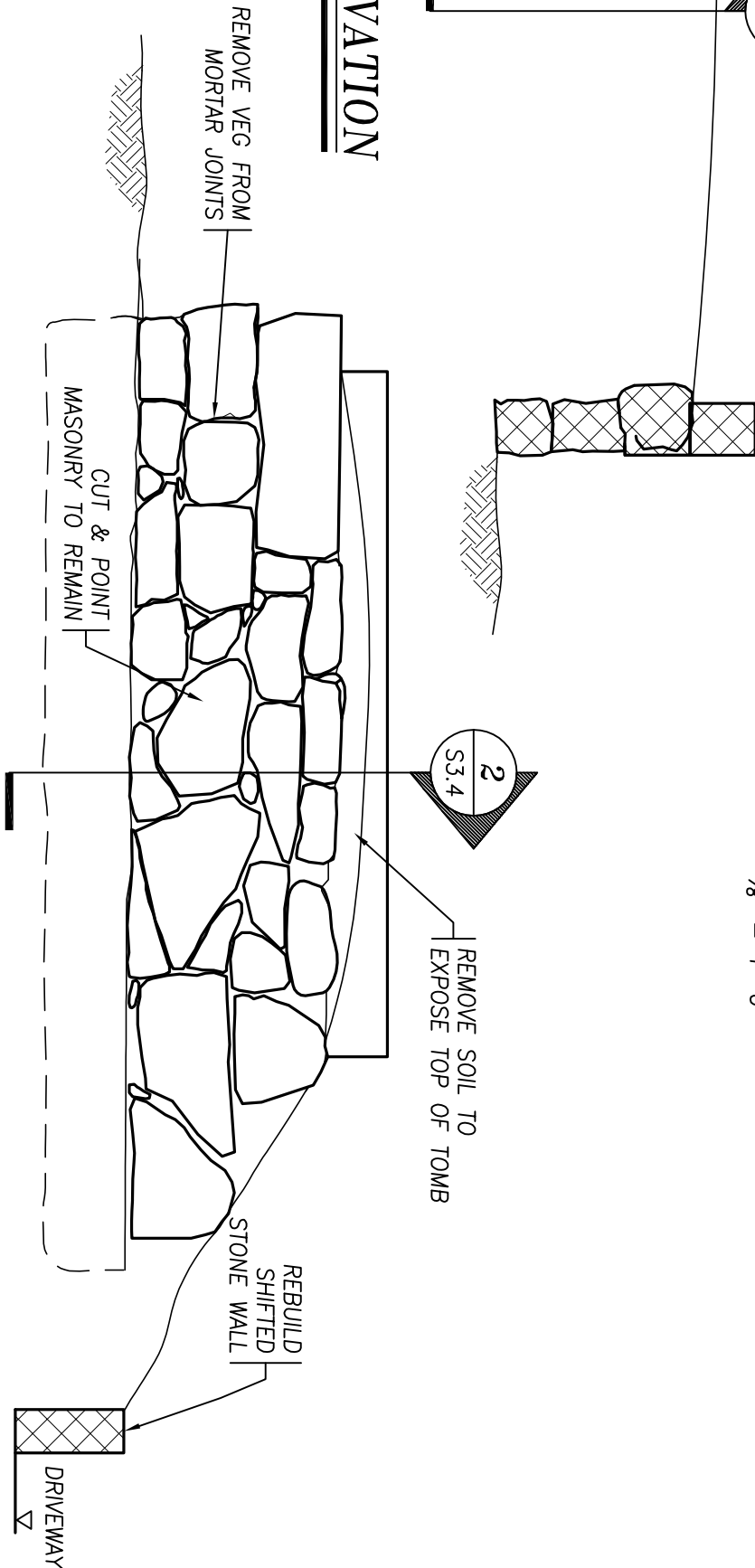
W-K SOUTH ELEVATION

$\frac{3}{8}'' = 1'-0''$



W-K NORTH ELEVATION

$\frac{3}{8}'' = 1'-0''$



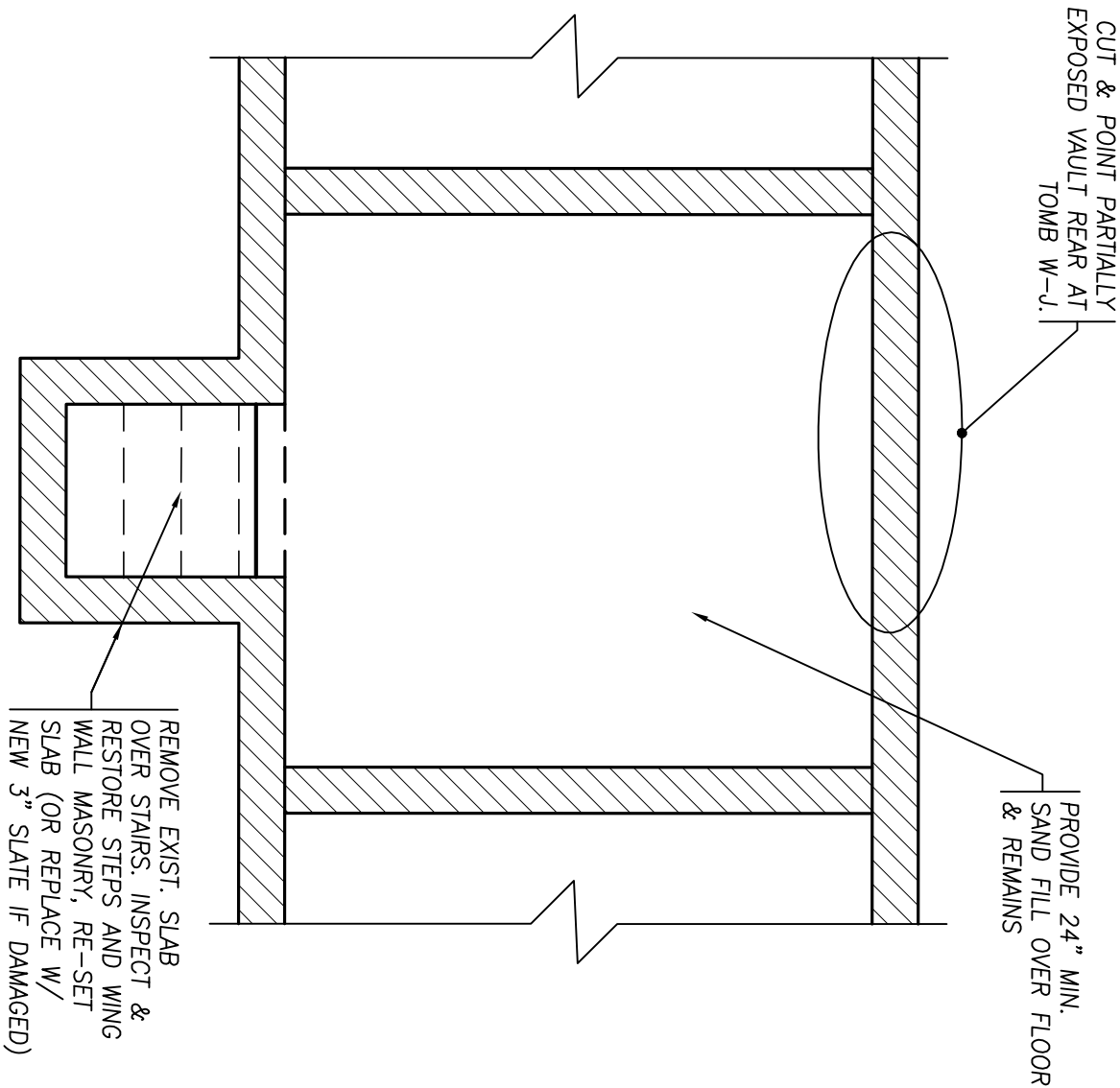
- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPENCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.

W-K EAST ELEVATION

$\frac{3}{8}'' = 1'-0''$

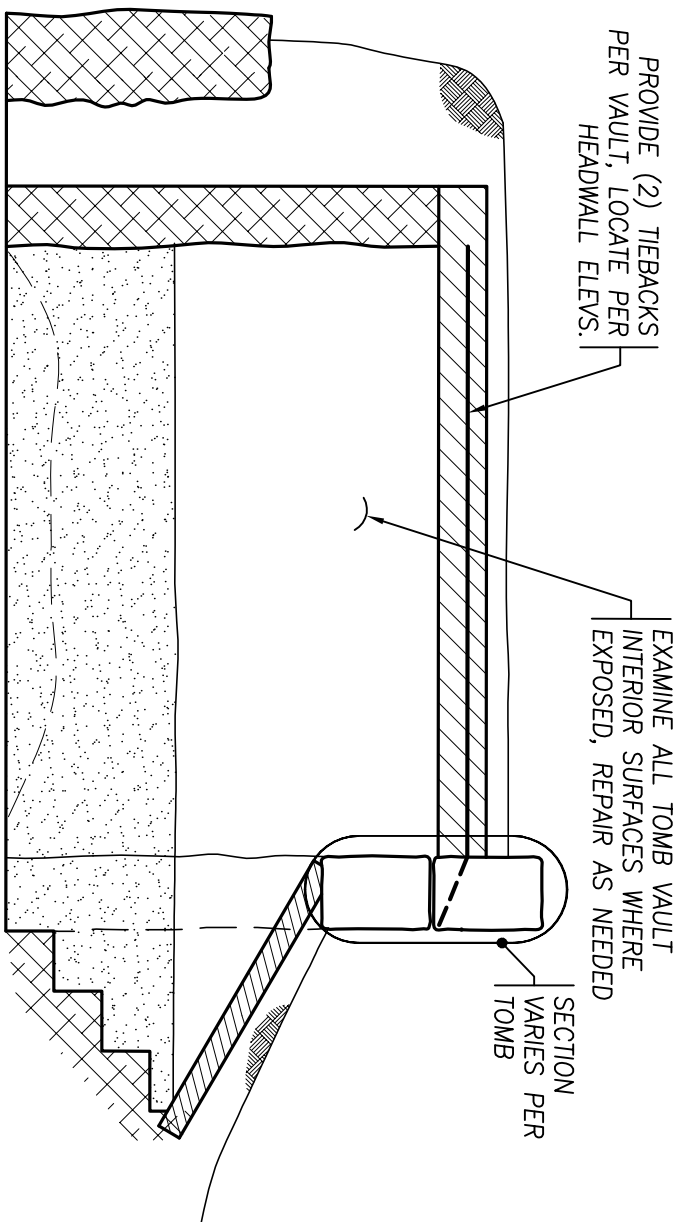
NEWTON HISTORIC BURYING GROUNDS
NEWTON, MASSACHUSETTS

- DRAWING NOTES:**
1. DO NOT SCALE DRAWINGS
 2. VERIFY ALL DIMENSIONS IN THE FIELD.
NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS
ARE APPROXIMATE.



TYPICAL TOMB PLAN W-A TO W-J

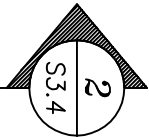
$\frac{3}{8}" = 1'-0"$



1 SECTION AT W-A, TYPICAL

$\frac{3}{8}" = 1'-0"$

- DRAWING NOTES:**
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 2. VERIFY ALL DIMENSIONS IN THE FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 3. ALL DIMENSIONS OF TOMB INTERIORS ARE APPROXIMATE.



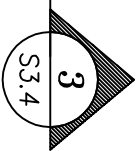
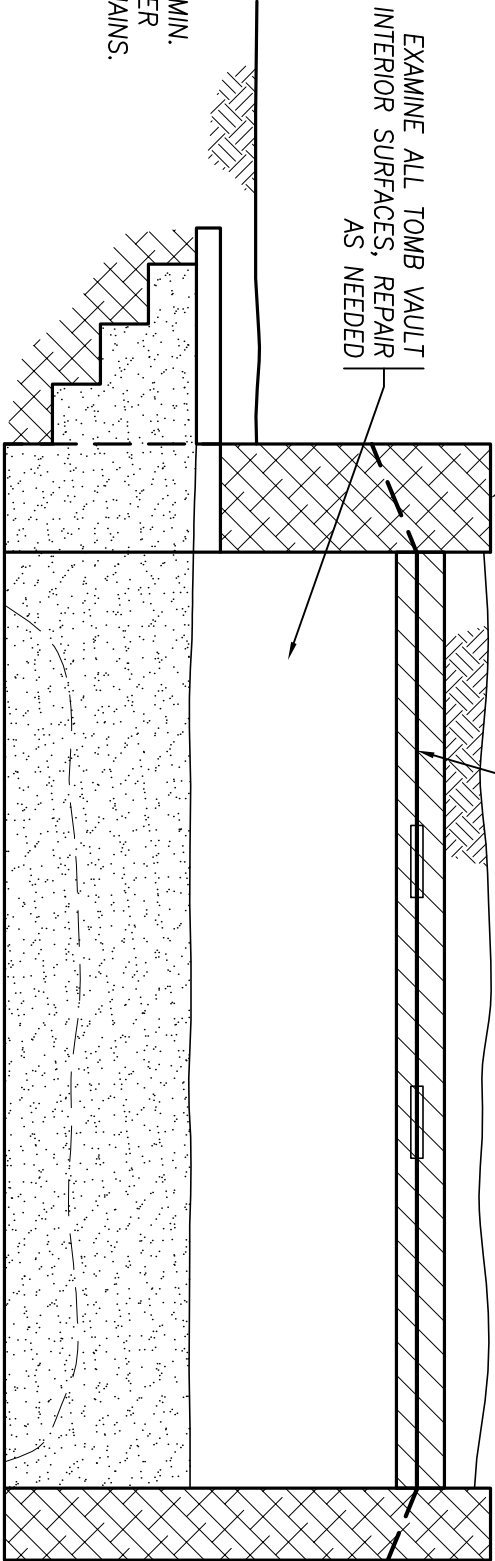
PROVIDE 24" MIN.
SAND FILL OVER
FLOOR & REMAINS.

EXAMINE ALL TOMB VAULT
INTERIOR SURFACES, REPAIR
AS NEEDED

RE-SET FRONT
ELEVATION WALL

(2) 1/2"Ø (OPPOSING DOUBLE-ENDED)
TIE RODS (W/ OPPOSING THREAD CONNECTORS) -
SEE DETAIL ON S4.1 FOR ROD EMBEDMENT

S3.2
S3.4
2 LONGITUDINAL SECTION AT W-K
3/8" = 1'-0"

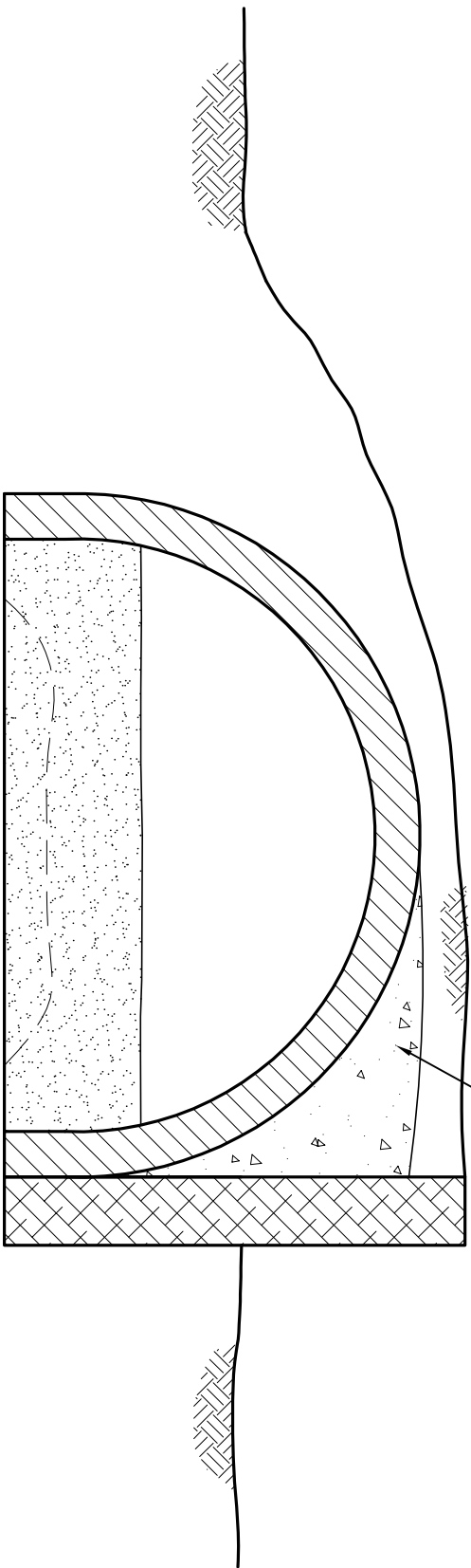


REMOVE EXIST. SLAB OVER
STAIRS. INSPECT & RESTORE
STEPS AND WING WALL MASONRY,
RE-SET SLAB (OR REPLACE W/
NEW 3" SLATE IF DAMAGED)

TOMB PLAN AT W-K
3/8" = 1'-0"

EXCAVATABLE
FLOW FILL

S3.2
S3.4
3 TRANSVERSE SECTION AT W-K
3/8" = 1'-0"



NEWTON HISTORIC BURYING GROUNDS
NEWTON, MASSACHUSETTS

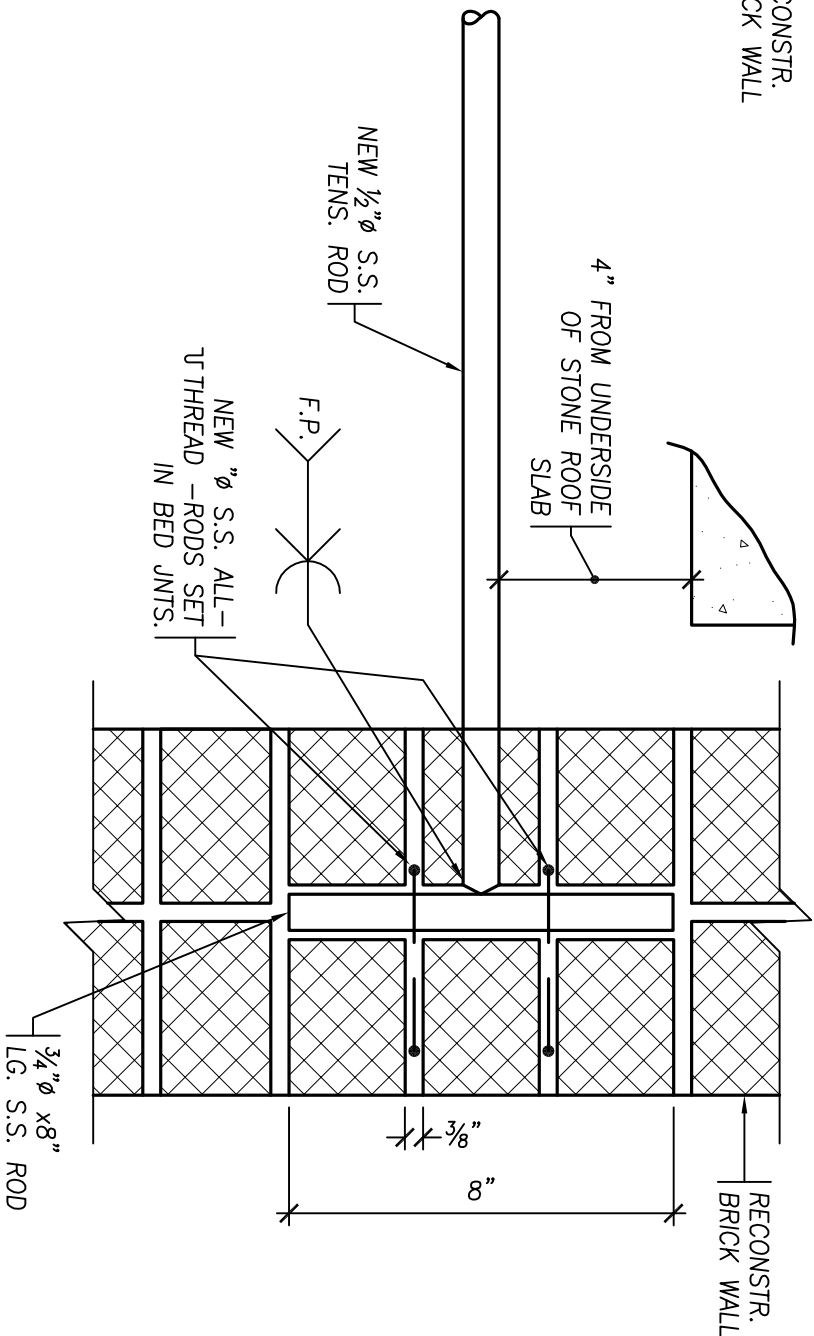
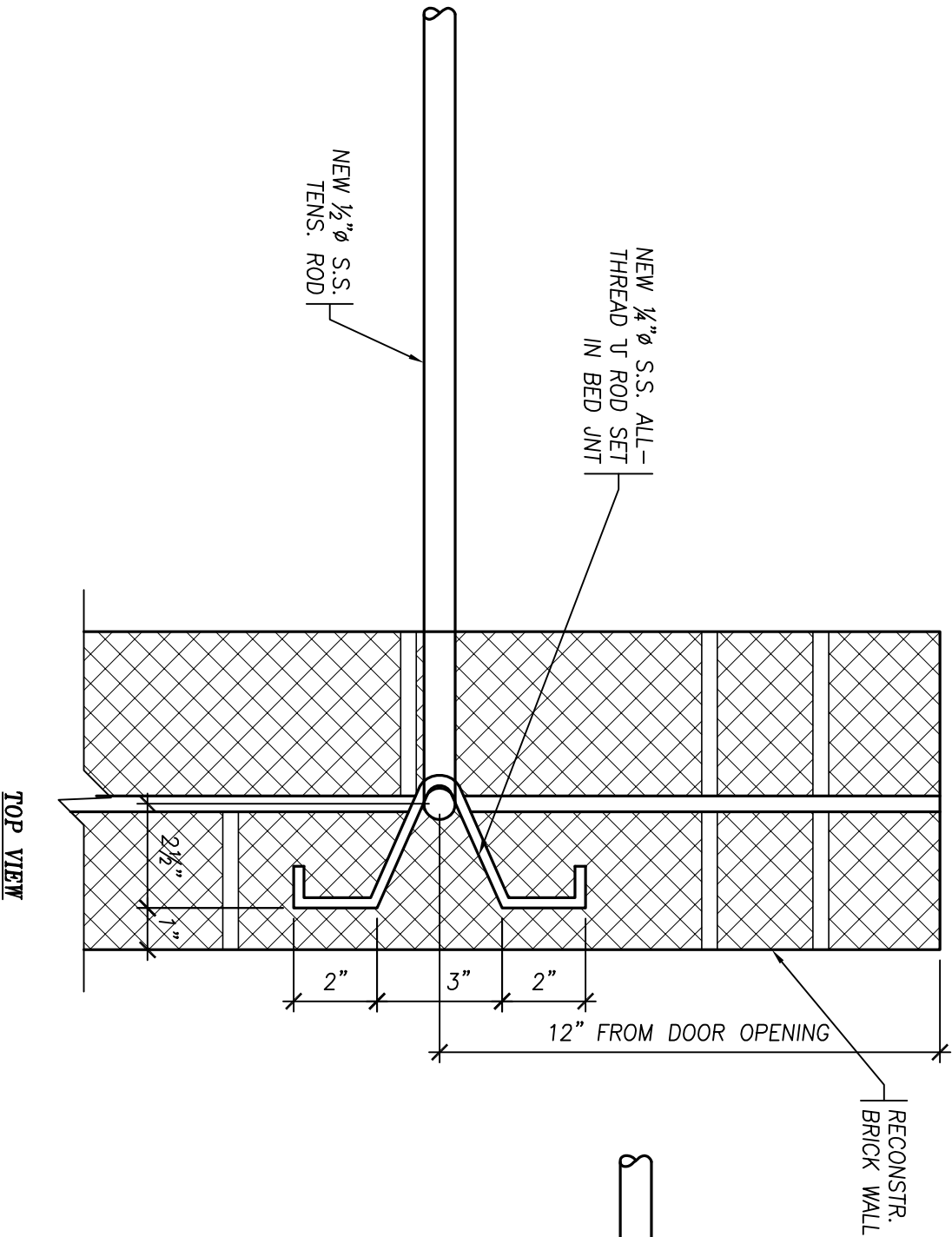
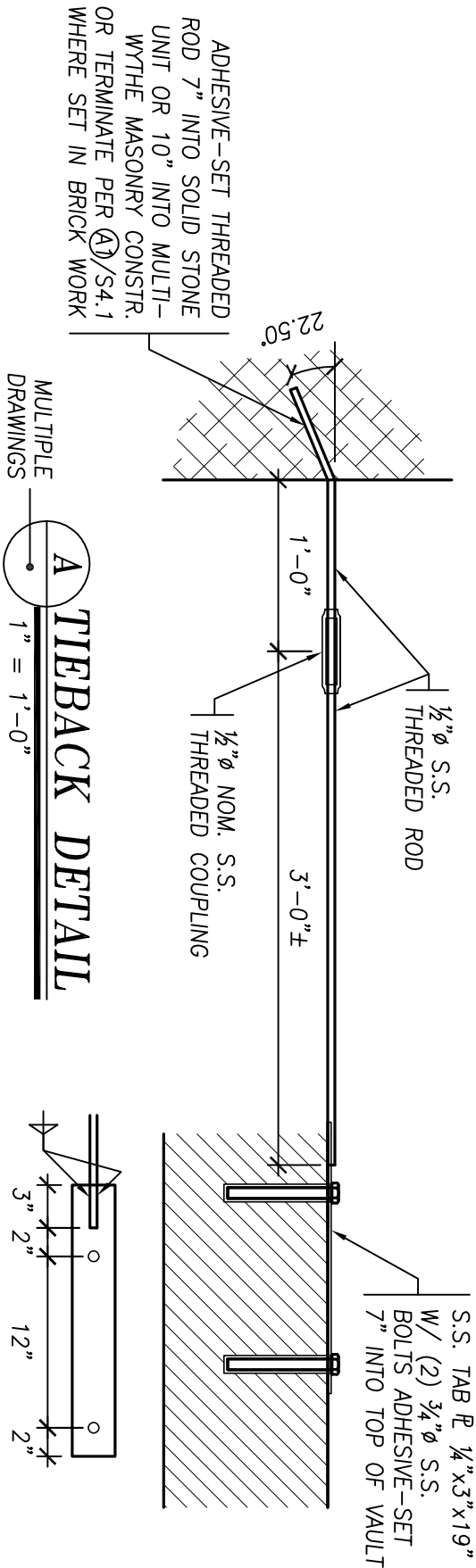
PROJECT NAME:

DRWN: SB
DATE: 04-19-11
SCALE: AS NOTED
CHECKED BY: JMW

WEST PARISH
SECTION & PLAN

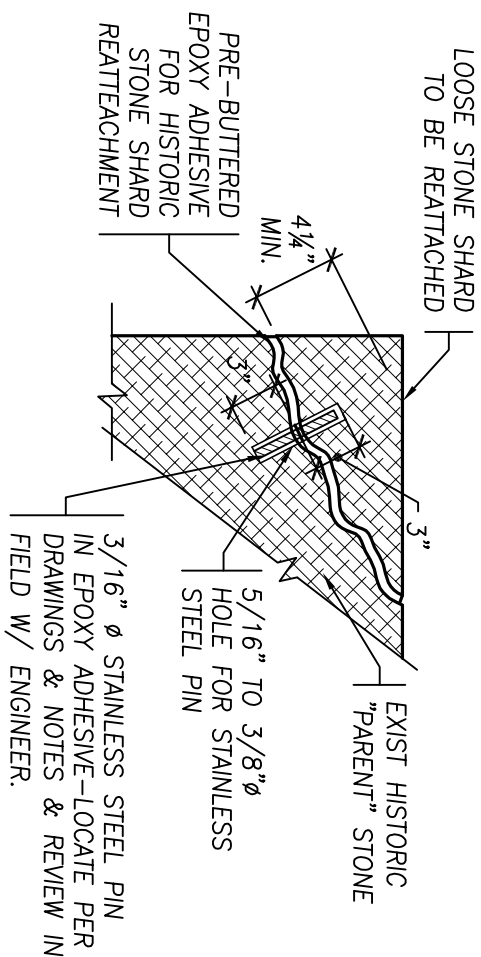
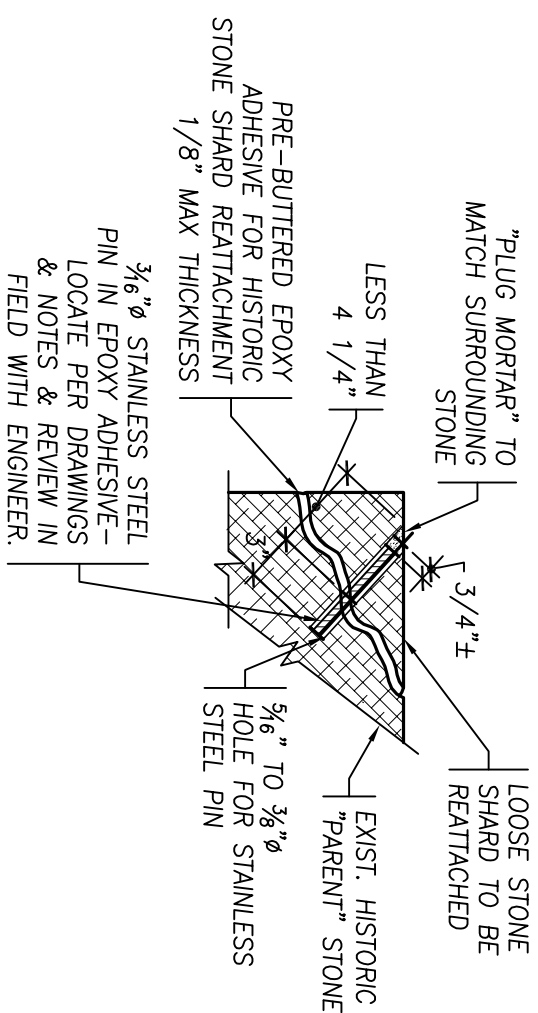
S3.4

Structures North
CONSULTING ENGINEERS, INC.
Salem, MA 01970
T 978.745.0817 F 978.745.0887
www.structures-north.com



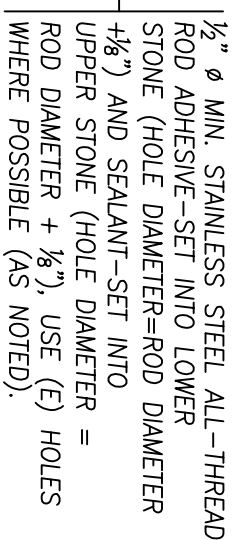
A1 DETAIL

S4.1 3" = 1'-0"



RUB STONE GRINDING DUST INTO EDGES.
REPAIR—MORTAR—PATCH AT LARGER
JOINTS (IF WIDER THAN $\frac{1}{4}$ "), TYP

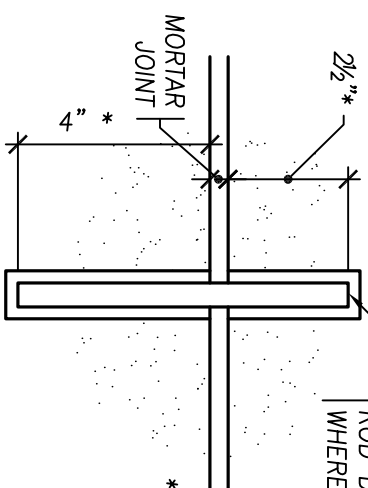
NOTE: ASSUME 50 LOCATIONS
NEEDED DUE TO DISASSEMBLY.



ROD DIAMETER + $\frac{1}{8}$ " , USE (E) HOLES WHERE POSSIBLE (AS NOTED).

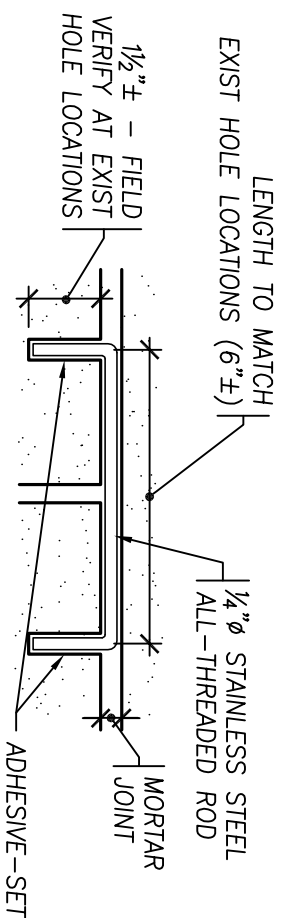
* = MEASURE DEPTH OF EXISTING HOLES AND REPORT TO ENGINEER. IF ADEQUATE, PIN LENGTH MAY BE ADJUSTED TO MATCH (E) HOLE DEPTHS

TYPICAL STONE SHARD REPAIR

$$\underline{1'' = 1' - 0''}$$


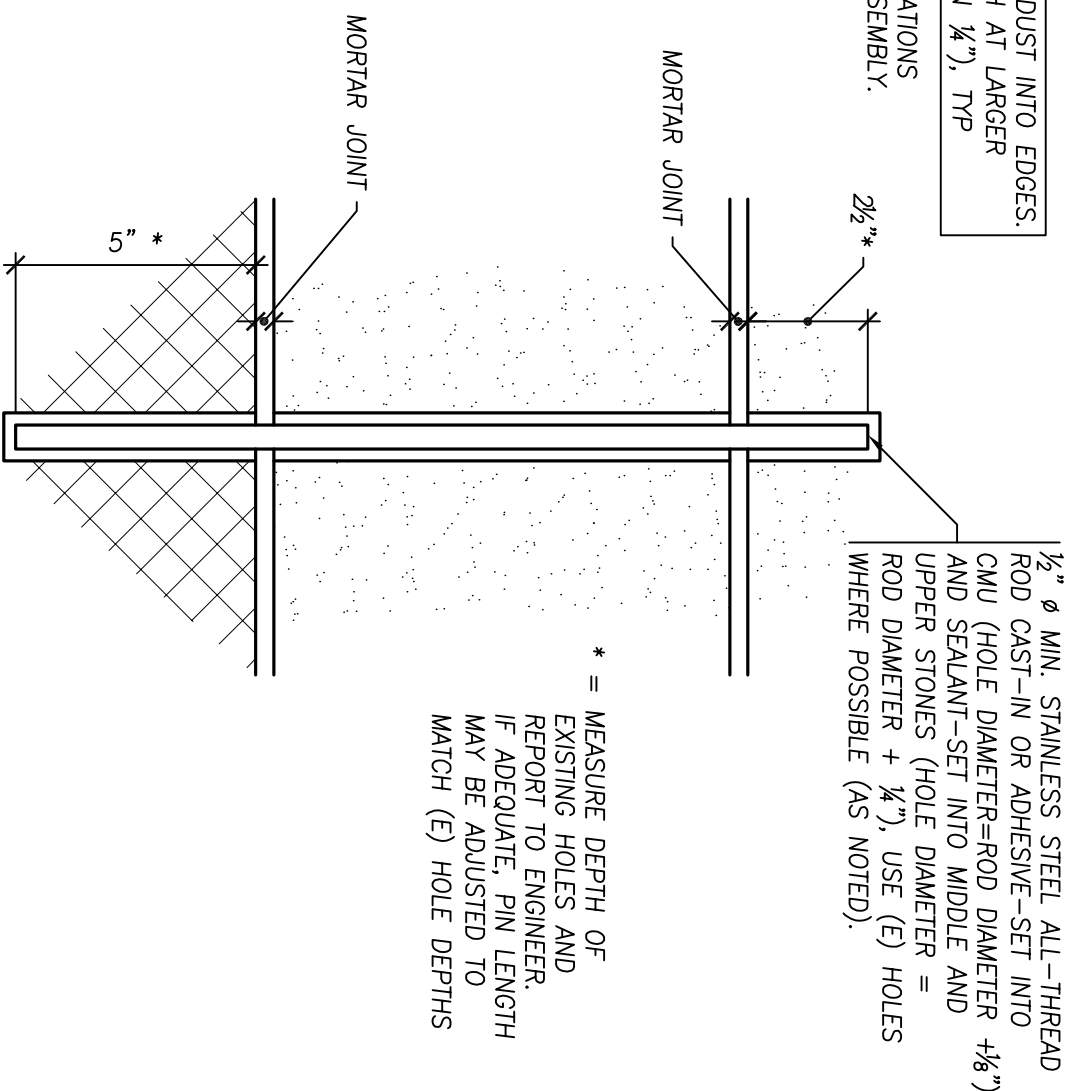
MASONRY PIN DETAIL

3" = 1'-0" (FIELD-VERIFY ALL DIMENSIONS)



MASONRY PIN DETAIL

$3'' = 1'-0''$ (FIELD-VERIFY ALL DIMENSIONS)



$\frac{1}{2}$ " \varnothing MIN. STAINLESS STEEL ALL-THREAD
ROD CAST-IN OR ADHESIVE-SET INTO
CMU (HOLE DIAMETER=ROD DIAMETER + $\frac{1}{8}$ ")
AND SEALANT-SET INTO MIDDLE AND
UPPER STONES (HOLE DIAMETER =
ROD DIAMETER + $\frac{1}{4}$ "), USE (E) HOLES
WHERE POSSIBLE (AS NOTED).

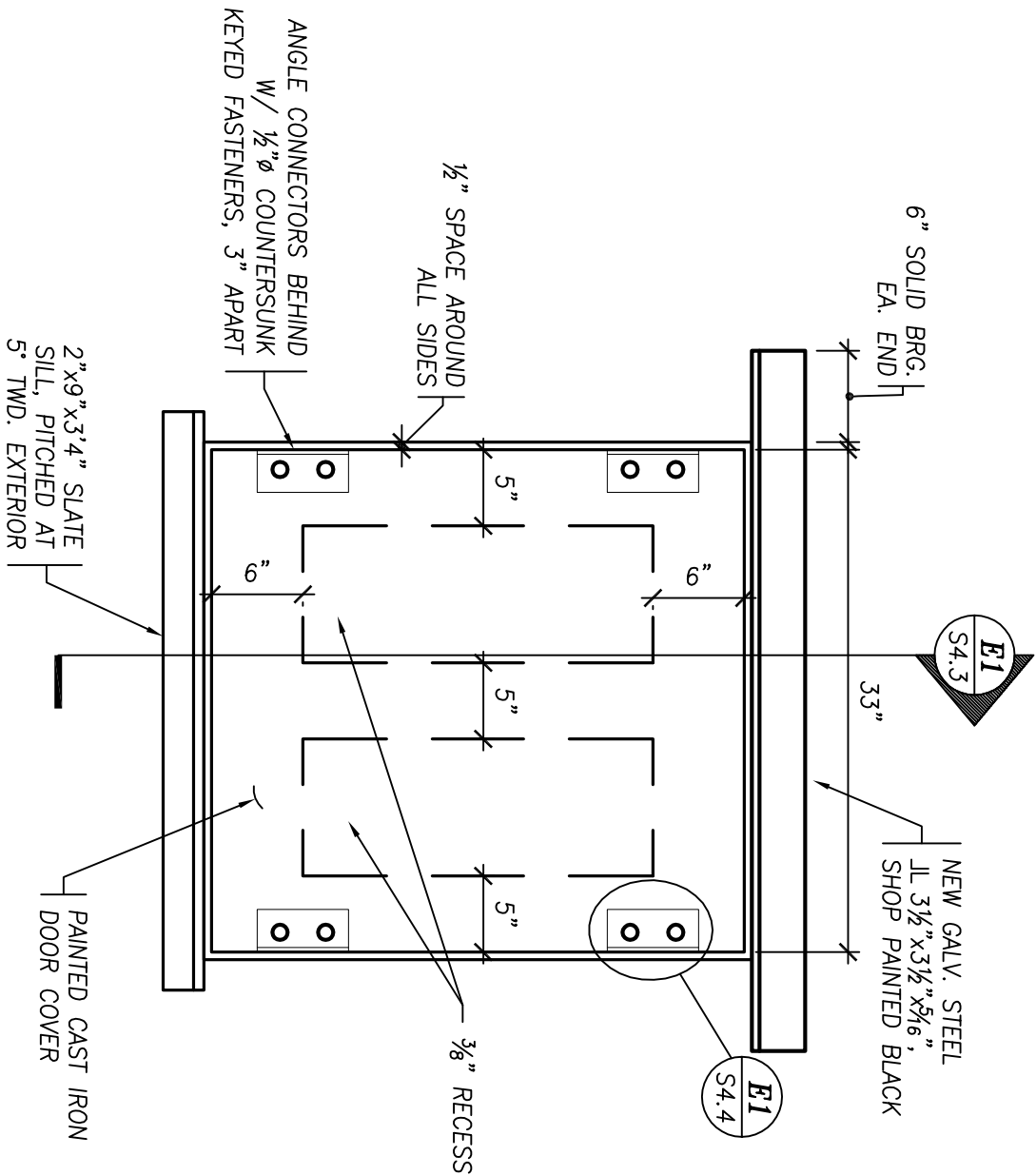
* = MEASURE DEPTH OF EXISTING HOLES AND REPORT TO ENGINEER. IF ADEQUATE, PIN LENGTH MAY BE ADJUSTED TO MATCH (E) HOLE DEPTHS

MASONRY PIN (STAPLE) DETAIL

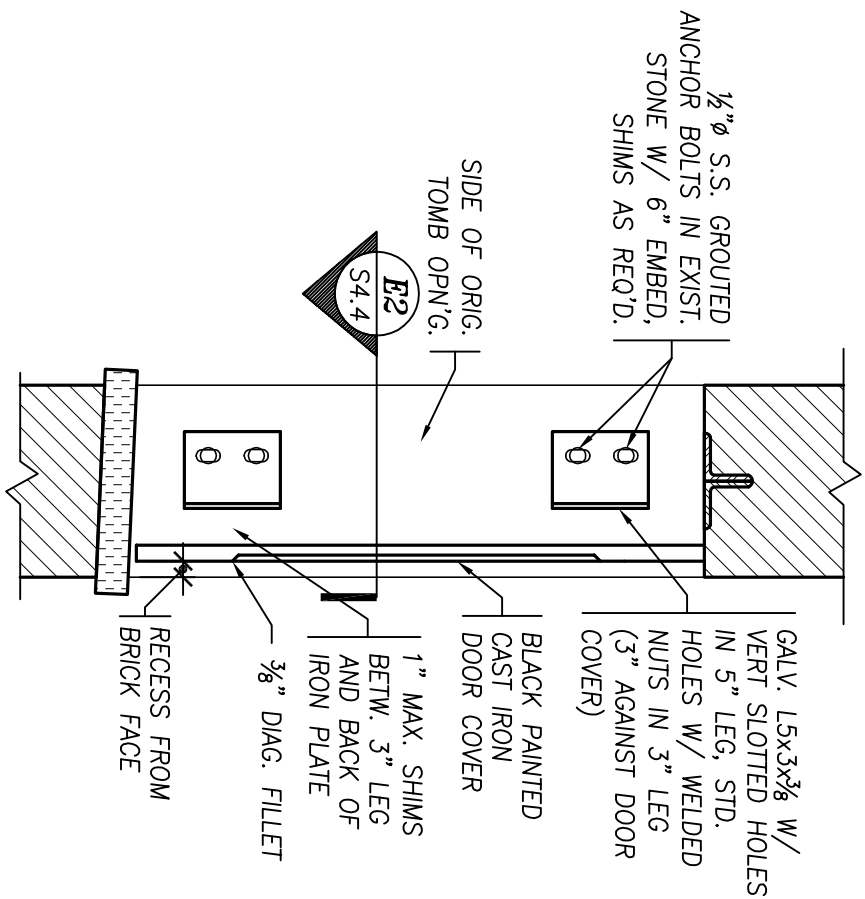
$$\underline{3'' = 1' - 0''}$$

MASONRY PIN DETAIL

$3'' = 1'-0''$ (FIELD-VERIFY ALL DIMENSIONS)



E CAST IRON DOOR DETAIL
1" = 1'-0"



E1 SECTION
S4.3 1" = 1'-0"

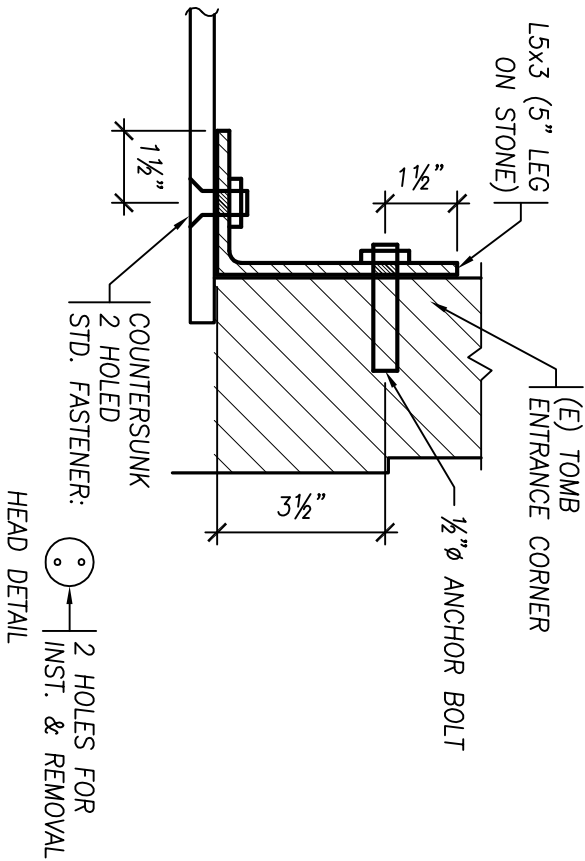
NEWTON HISTORIC BURYING GROUNDS
NEWTON, MASSACHUSETTS

PROJECT NAME:

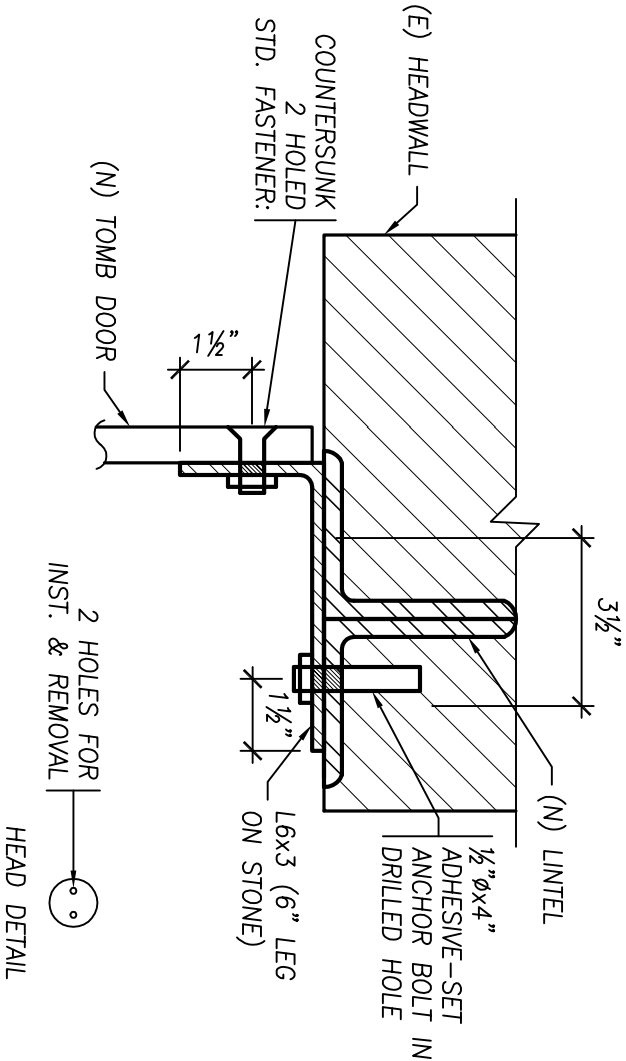
DRWN: SB	
DATE: 04-19-11	
SCALE: AS NOTED	
CHECKED BY: SAM	

SECTIONS &
DETAILS

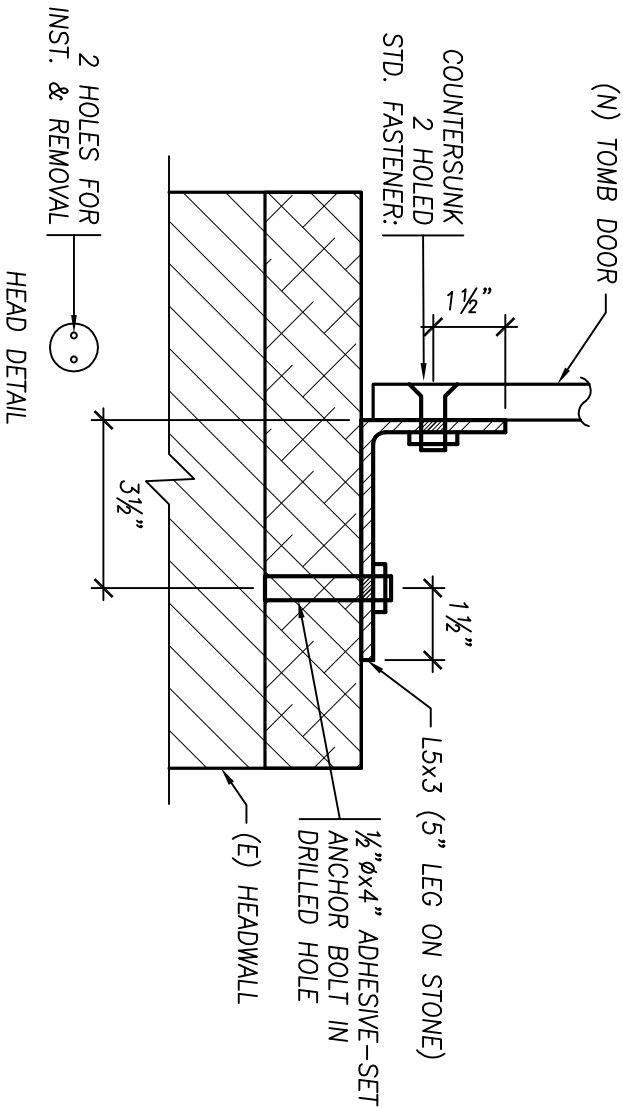
S4.3



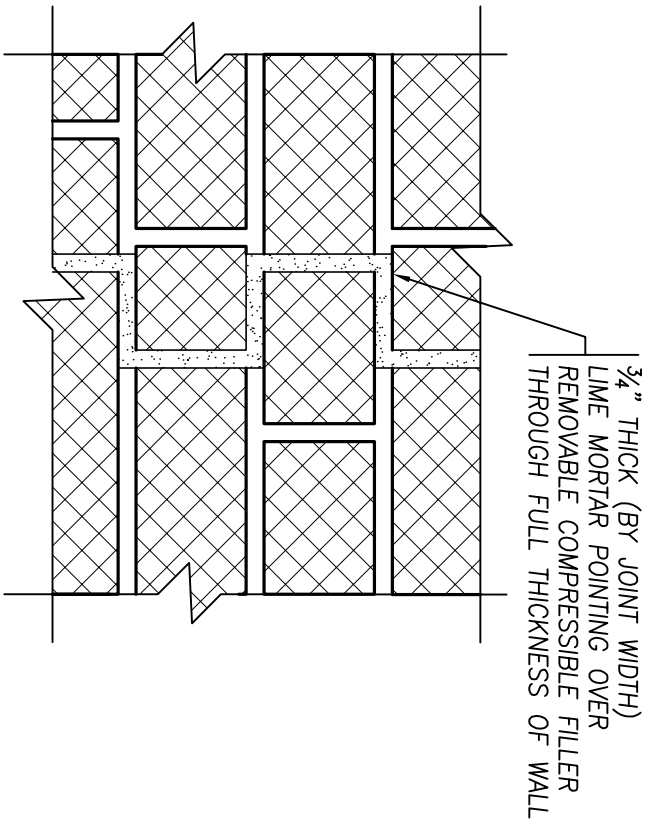
E2 SECTION
S4.3
3" = 1'-0"



F DETAIL
S4.3
3" = 1'-0"



G DETAIL
S4.3
3" = 1'-0"



CJ DETAIL
3" = 1'-0"